Aoi

DD JAPAN 1920 to 1937

8090-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	11/09/1920
Sunk 12/23/1941		*Draft*	8 ft	*Completed*	12/20/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

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TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

Aoi

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Aoi

DD JAPAN 1938 to 1941

8090-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	11/09/1920
Sunk 12/23/1941		*Draft*	8 ft	*Completed*	12/20/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Aoi

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555								
KTS	18								

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
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																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Ashi

DD JAPAN 1921 to 1939

1732-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	09/03/1921
Scrapped 1947		*Draft*	8 ft	*Completed*	10/29/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3	None
Max Rg	
Eff Rg	

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Ashi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
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																				CA	Midships steady
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																				CS #	Alter course to STARBOARD
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																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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TORPEDO AND AIRCRAFT																					
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																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Ashi

DD JAPAN 1940 to 1945

1732-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	09/03/1921
Scrapped 1947		*Draft*	8 ft	*Completed*	10/29/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM	PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	2	Ammo	2

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Ashi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	1	18	0	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-04 kt	05-08 kt	09-10 kt	12+ kt		
Increase	5.0	4.0	2.0	1.0		

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Fuji

DD JAPAN 1921 to 1937

1726-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	11/27/1920
Scrapped 1947		*Draft*	8 ft	*Completed*	05/31/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		
AA		

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		
AA		

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd
AA		

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Fuji

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
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																				B1D	Directed fire as range permits
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																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Fuji

DD JAPAN 1938 to 1945

1726-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	11/27/1920
Scrapped 1947		*Draft*	8 ft	*Completed*	05/31/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Fuji

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Hagi

DD JAPAN 1921 to 1941

8091-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	10/29/1920
Sunk 12/23/1941		*Draft*	8 ft	*Completed*	04/20/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Hagi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
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RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Hasu

DD JAPAN 1922 to 1941

1728-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	12/08/1921
Scrapped 1946		*Draft*	8 ft	*Completed*	07/31/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3	None
Max Rg	
Eff Rg	

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Hasu

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Hasu

DD JAPAN 1942 to 1945

1728-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	12/08/1921
Scrapped 1946		*Draft*	8 ft	*Completed*	07/31/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	8	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	4	3	2	1	1
	Stbd	4	3	2	1	1
AA	Port	16	13	9	5	2
M	Stbd	16	13	9	5	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	2		
Ammo	16		

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Hasu

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	33								

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	2	33	17	0	0	0	0
Boiler Rm	2	33	20	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Hishi

DD JAPAN 1922 to 1937

8092-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	05/19/1921
Sunk 01/24/1942		*Draft*	8 ft	*Completed*	03/23/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Hishi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Hishi

DD JAPAN 1938 to 1942

8092-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	05/19/1921
Sunk 01/24/1942		*Draft*	8 ft	*Completed*	03/23/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Hishi

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kaki

DD JAPAN 1920 to 1939

8088-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	10/20/1919
Scrapped 1947		*Draft*	8 ft	*Completed*	08/08/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Kaki

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kaki

DD JAPAN 1940 to 1945

8088-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	10/20/1919
Scrapped 1947		*Draft*	8 ft	*Completed*	08/08/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	2	Ammo	2

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Kaki

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	1	18	0	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-04 kt	05-08 kt	09-10 kt	12+ kt		
Increase	5.0	4.0	2.0	1.0		

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kaya

DD JAPAN 1920 to 1939

1733-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Yokosuka Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	06/10/1919
Scrapped 1939		*Draft*	8 ft	*Completed*	03/28/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF2	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF3	None
Max Rg	
Eff Rg	

RF		
	Port	
	Stbd	
AA	Port	
	Stbd	

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Kaya

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed Increase	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kiku

DD JAPAN 1920 to 1937

1736-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	10/13/1920
Sunk 03/30/1944		*Draft*	8 ft	*Completed*	12/10/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2	None
Max Rg	
Eff Rg	

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3	None
Max Rg	
Eff Rg	

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Kiku

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
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																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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																				TR (X)	Prepare to launch torpedoes to (X)
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																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kiku

DD JAPAN 1938 to 1944

1736-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	10/13/1920
Sunk 03/30/1944		*Draft*	8 ft	*Completed*	12/10/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Kiku

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kuri

DD JAPAN 1920 to 1941

1729-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kure Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	03/19/1920
Sunk 10/08/1945		*Draft*	8 ft	*Completed*	04/30/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF2	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF3	None
Max Rg	
Eff Rg	

RF		
	Port	
	Stbd	
AA	Port	
	Stbd	

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Kuri

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
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RF BATTERY																					
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LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Kuri

DD JAPAN 1942 to 1945

1729-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kure Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	03/19/1920
Sunk 10/08/1945		*Draft*	8 ft	*Completed*	04/30/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0			

RAPID FIRE BATTERIES

RF1	8	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	4	3	2	1	1
	Stbd	4	3	2	1	1
AA	Port	16	13	9	5	2
M	Stbd	16	13	9	5	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	2		
None			Ammo	16		

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Kuri

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	2	33	17	0	0	0	0
Boiler Rm	2	33	20	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Momi

DD JAPAN 1920 to 1932

8086-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Yokosuka Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	06/10/1919
Stricken 1932		*Draft*	8 ft	*Completed*	12/27/1919

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings: 7,600/36 | 11,000/32 | 17,000/27

1 2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd

AA	Port	Stbd

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW	
0	
None	

DEPTH CHARGES	
Rack	0
Ammo	0

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Momi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Nashi

DD JAPAN 1920 to 1939

8087-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	08/26/1919
Scrapped 1939		*Draft*	8 ft	*Completed*	12/10/1919

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings: 7,600/36 | 11,000/32 | 17,000/27

1 2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd

AA	Port	Stbd

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Nashi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Nire

DD JAPAN 1920 to 1939

8089-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kure Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	12/22/1919
Scrapped 1948		*Draft*	8 ft	*Completed*	03/31/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF2	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF3	None
Max Rg	
Eff Rg	

RF		
	Port	
	Stbd	
AA	Port	
	Stbd	

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Nire

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Nire

DD JAPAN 1940 to 1945

8089-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kure Navy Yard	
Complement	110	*Beam*	26 ft	*Launched*	12/22/1919
Scrapped 1948		*Draft*	8 ft	*Completed*	03/31/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	2	Ammo	2

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Nire

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	1	18	0	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-04 kt	05-08 kt	09-10 kt	12+ kt		
Increase	5.0	4.0	2.0	1.0		

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Sumire

DD JAPAN 1923 to 1939

8094-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	12/14/1921
Scrapped 1948		*Draft*	8 ft	*Completed*	03/31/1923

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		
AA		

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		
AA		

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd
AA		

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Sumire

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Sumire

DD JAPAN 1940 to 1945

8094-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	12/14/1921
Scrapped 1948		*Draft*	8 ft	*Completed*	03/31/1923

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	2	Ammo	2

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF					
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF					
0	Port				
	Stbd				
AA	Port				
	Stbd				

RF3		None			
Max Rg					
Eff Rg					

RF					
	Port				
	Stbd				
AA	Port				
	Stbd				

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Sumire

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	18								

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	1	18	0	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-04 kt	05-08 kt	09-10 kt	12+ kt		
Increase	5.0	4.0	2.0	1.0		

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
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ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
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																				B1D	Directed fire as range permits
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																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Susuki

DD JAPAN 1921 to 1937

1725-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	02/21/1921
Sunk 07/03/1944		*Draft*	8 ft	*Completed*	05/25/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Susuki

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Susuki

DD JAPAN 1938 to 1944

1725-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	02/21/1921
Sunk 07/03/1944		*Draft*	8 ft	*Completed*	05/25/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Susuki

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tade (Fuyo)

DD JAPAN 1922 to 1937

1727-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	03/15/1922
Sunk 04/23/1943		*Draft*	8 ft	*Completed*	07/31/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd

AA	Port	Stbd

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Tade (Fuyo)

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed Increase	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
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																				CA	Midships steady
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																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
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E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tade (Fuyo)

DD JAPAN 1938 to 1943

1727-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	03/15/1922
Sunk 04/23/1943		*Draft*	8 ft	*Completed*	07/31/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Tade (Fuyo)

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555								
KTS	18								

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Take

DD JAPAN 1920 to 1939

1735-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	08/26/1919
Scrapped 1947		*Draft*	8 ft	*Completed*	12/25/1919

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF2	None
Max Rg	
Eff Rg	

RF		
0	Port	
	Stbd	
AA	Port	
	Stbd	

RF3	None
Max Rg	
Eff Rg	

RF		
	Port	
	Stbd	
AA	Port	
	Stbd	

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed Increase	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

Take

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Take

DD JAPAN 1940 to 1945

1735-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	08/26/1919
Scrapped 1947		*Draft*	8 ft	*Completed*	12/25/1919

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year — 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	2	Ammo	2

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	3	2	2	1	0
	Stbd	3	2	2	1	0
AA	Port	12	10	7	4	2
M	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	1	18	0	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-04 kt	05-08 kt	09-10 kt	12+ kt		
Increase	5.0	4.0	2.0	1.0		

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

Take

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tsuga

DD JAPAN 1920 to 1941

1734-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	04/17/1920
Sunk 01/15/1945		*Draft*	8 ft	*Completed*	07/20/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Tsuga

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tsuga

DD JAPAN 1942 to 1945

1734-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	04/17/1920
Sunk 01/15/1945		*Draft*	8 ft	*Completed*	07/20/1920

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	8	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF 5						
	Port	4	3	2	1	1
	Stbd	4	3	2	1	1

AA M						
	Port	16	13	9	5	2
	Stbd	16	13	9	5	2

RF2		None			
Max Rg					
Eff Rg					

RF 0						
	Port					
	Stbd					

AA						
	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					

AA						
	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	2		
Ammo	16		

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Tsuga

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	2	33	17	0	0	0	0
Boiler Rm	2	33	20	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
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																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
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																				TR (X)	Prepare to launch torpedoes to (X)
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																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tsuta (Tsuru)

DD JAPAN 1921 to 1937

8095-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	05/09/1921
Sunk 09/02/1943		*Draft*	8 ft	*Completed*	06/30/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

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Tsuta (Tsuru)

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed Increase	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Tsuta (Tsuru)

DD JAPAN 1942 to 1943

8095-1 MOMI Class

Displacement	850 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	05/09/1921
Sunk 09/02/1943		*Draft*	8 ft	*Completed*	06/30/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

- 7,600/36
- 11,000/32
- 17,000/27

1 2

MINES

0

RAPID FIRE BATTERIES

RF1	8	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF						
5	Port	4	3	2	1	1
	Stbd	4	3	2	1	1
AA	Port	16	13	9	5	2
M	Stbd	16	13	9	5	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	2		
Ammo	16		

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Tsuta (Tsuru)

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	2	33	17	0	0	0	0
Boiler Rm	2	33	20	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
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LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Warabi (Toko)

DD JAPAN 1921 to 1927

8093-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	09/28/1921
Lost 08/24/1927		*Draft*	8 ft	*Completed*	12/19/1921

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM	PENETRATION TABLE													
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	0		

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0

RAPID FIRE BATTERIES

RF1		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF2		None
Max Rg		
Eff Rg		

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None
Max Rg		
Eff Rg		

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

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Warabi (Toko)

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Yomogi

DD JAPAN 1922 to 1937

8096-0 MOMI Class

Displacement	850 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	03/14/1922
Sunk 11/25/1944		*Draft*	8 ft	*Completed*	08/19/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

3 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1S2	None		COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	300

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

TORPEDOES

TT	4	Ammo	4

53cm Type 6

Damage Class	E

Settings

- 7,600/36
- 11,000/32
- 17,000/27

1

2

MINES

0

RAPID FIRE BATTERIES

RF1	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF2	None
Max Rg	
Eff Rg	

RF	Port	Stbd
0		

AA	Port	Stbd

RF3	None
Max Rg	
Eff Rg	

RF	Port	Stbd

AA	Port	Stbd

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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Yomogi

TIER	DP
1/70	53
2/80	106
3/75	159
4/85	212
5/80	265
6/90	313
7/85	360
8/95	408
9/90	456
10	504
10	535

DP	530
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	2	35	22	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-17 kt	18-22 kt	23-25 kt	26+ kt	
Increase	11.0	8.0	5.0	3.0	1.0	

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
COURSE AND SPEED																					
																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
																				SF	Ahead full
																				SR#	Revolutions for # knots
																				SA	Full astern
																				SS	All stop
ILLUMINATION AND EVASION																					
																				EX	Evasive action
																				KX	Lay smoke
																				IS ##	Illuminate using starshell
																				IL #	Illuminate using searchlight
TORPEDO AND AIRCRAFT																					
																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
																				B1V	Coordinated fire
																				B1L	Local control as range permits
																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity

Yomogi

DD JAPAN 1938 to 1944

8096-1 MOMI Class

Displacement	935 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	03/14/1922
Sunk 11/25/1944		*Draft*	8 ft	*Completed*	08/19/1922

SEEKRIEG 5

SHIP LOG SHEET

Version 3/6/2009

2 x 12cm/45 11th Year | 12

Max ROF	Range	Shell Size/Weight
5.0 sh/min	16,400 yds 32.8"	4.7" 45.0 lbs.

Fire Control	FC Radar	
1 1S2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	100 rpg	200

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	12	8	8	5	6	4	5	3
10 - 18	9	5	6	4	4	3	4	2
19 - 27	7	4	5	3	4	2	3	2
28 - 36	6	4	4	2	3	2	2	2
37 - 45	5	3	4	2	3	2	2	1

COM — PENETRATION TABLE

Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.7	6.4	5.2	4.2	3.5	2.9	2.1	1.8						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.3	1.5						
V	3.6	2.6	1.9	1.5	1.3	1.1	1.0	1.1						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	6	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

RF 5						
	Port	3	2	2	1	0
	Stbd	3	2	2	1	0

AA M						
	Port	12	10	7	4	2
	Stbd	12	10	7	4	2

RF2		None			
Max Rg					
Eff Rg					

RF 0						
	Port					
	Stbd					

AA						
	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					

AA						
	Port					
	Stbd					

Captain

T#	BTTY	TARGET SHIP	SHELL	FCS	BR	H	RANGE	R	#RNDS	HITS

Coal (ts)	0	Oil (ts)	240
Engines	GT		
Boilers	2 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
2 K-Guns			Rack	2		
None			Ammo	60		

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Yomogi

TIER	DP
1/70	56
2/80	111
3/75	167
4/85	222
5/80	278
6/90	327
7/85	377
8/95	427
9/90	477
10	527
10	561

DP	555
KTS	18

Engine Rm	2	18	10	0	0	0	0
Prop/Shaft	2	18	9	0	0	0	0
Boiler Rm	2	18	11	0	0	0	0
			0	0	0	0	0

Standard Turn	
90	
Emergency Turn	
120	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-05 kt	06-09 kt	10-12 kt	13-14 kt	15+ kt	
Increase	6.0	4.0	3.0	2.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		1

Fuel Code	DD4B

ARMOR	1.00	Actual
1H DECK	0.0	0.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.0	0.0
4V CON	0.0	0.0
5V BELT MID	0.0	0.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
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RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

KTS	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
STD	3.0	4.5	6.0	7.5	9.0	10.5	12.0	13.5	15.0	16.5	18.0	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0
E/EA	NA	NA	NA	NA	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0

TURNING SEGMENTS

DEG OF TURN	SEGMENTS
TO 15	2 Segments*
16 TO 45	2 Segments
46 TO 90	3 Segments
91 TO 135	4 Segments
136 TO 180	5 Segments

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

NO DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-03	-20 from severity
04-12	-10 from severity
13-50	No change
51-85	+10 to severity
86-95	+30 to severity
96-00	+40 to severity

DAMAGE CONTROL	
ROLL	EFECT ON FIRE
01-05	Fire extinguished
06-15	-30 from severity
16-45	-20 from severity
46-75	-10 from severity
76-90	No change
91-00	+10 to severity