Ajisai (Fuyo)

DD JAPAN 1923 to 1941

1741-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	09/23/1922
Sunk 12/20/1943		*Draft*	8.3 ft	*Completed*	03/16/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

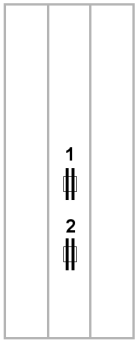
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

MINES

20

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)	275
Engines	2 Parsons 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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Ajisai (Fuyo)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

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

T#	DE #	SEVERITY	DESCRIPTION

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

Ajisai (Fuyo)

DD JAPAN 1941 to 1943

1741-1 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	09/23/1922
Sunk 12/20/1943		*Draft*	8.3 ft	*Completed*	03/16/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

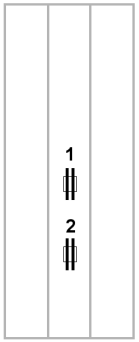
COM — PENETRATION TABLE

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

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					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
4 K-Guns		
None		

DEPTH CHARGES			
Rack	2		
Ammo	48		

Captain	

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

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Ajisai (Fuyo)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	34

Engine Rm	1	34	0	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	2	34	21	0	0	0	0
			0	0	0	0	0

Standard Turn	
120	
Emergency Turn	
150	

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

Ayame (Sanae)

DD JAPAN 1923 to 1941

1744-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	02/15/1923
Sunk 11/18/1943		*Draft*	8.3 ft	*Completed*	11/05/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

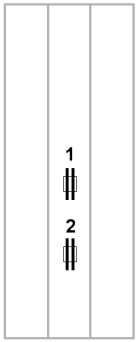
COM — PENETRATION TABLE

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

MINES

20

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						

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons 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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Ayame (Sanae)

TIER	DP
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2/80	109
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4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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
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6V BELT END	0.0	0.0
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8V TURRET	0.0	0.0
9V SUPERSTR	0.0	0.0

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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T#	DE #	SEVERITY	DESCRIPTION

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
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ROLL	EFECT ON FIRE
01-05	Fire extinguished
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16-45	-20 from severity
46-75	-10 from severity
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Ayame (Sanae)

DD JAPAN 1941 to 1943

1744-1 WAKATAKE Class

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Complement	110	*Beam*	26 ft	*Launched*	02/15/1923
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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 — 1Q2	None	+ 0

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

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

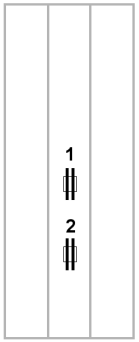
COM — PENETRATION TABLE

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

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					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
None
None

ASW MORTARS/ATW		
4 K-Guns		
None		

DEPTH CHARGES			
Rack	2		
Ammo	48		

Captain	

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

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Ayame (Sanae)

TIER	DP
1/70	61
2/80	121
3/75	182
4/85	242
5/80	303
6/90	358
7/85	412
8/95	467
9/90	521
10	576
10	612

DP	606
KTS	31

Engine Rm	1	31	0	0	0	0	0
Prop/Shaft	2	31	16	0	0	0	0
Boiler Rm	2	31	19	0	0	0	0
			0	0	0	0	0

Standard Turn	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-09 kt	10-16 kt	17-20 kt	21-23 kt	24+ kt	
Increase	10.0	7.0	4.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		2

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		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity

Kaido (Sawarabi)

DD JAPAN 1924 to 1932

1746-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Uraga Dock, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	09/01/1923
Lost 12/05/1932		*Draft*	8.3 ft	*Completed*	07/24/1924

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
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

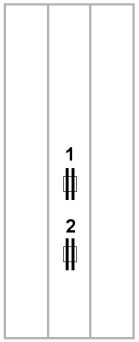
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

MINES

20

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						

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons 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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Kaido (Sawarabi)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

Kakitsubata (Asagao)

DD JAPAN 1923 to 1941

1742-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	11/04/1922
Scrapped 1948		*Draft*	8.3 ft	*Completed*	05/10/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

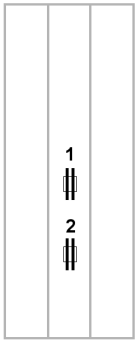
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

MINES

20

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						

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons 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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Kakitsubata (Asagao)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

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
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																				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

T#	DE #	SEVERITY	DESCRIPTION

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

Kakitsubata (Asagao)

DD **JAPAN** 1941 to 1945

1742-1 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	11/04/1922
Scrapped 1948		*Draft*	8.3 ft	*Completed*	05/10/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

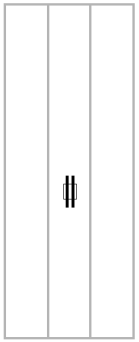
COM — PENETRATION TABLE

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	Port					
0	Stbd					
AA	Port					
	Stbd					

RF3		None				
Max Rg						
Eff Rg						
RF	Port					
	Stbd					
AA	Port					
	Stbd					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
No.13 Type 3 M1
None

ASW MORTARS/ATW		
4 K-Guns		
None		

DEPTH CHARGES			
Rack	2		
Ammo	48		

Captain	

Radar fitted c.1944.

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

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Kakitsubata (Asagao)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545									
KTS	34									

Fuel Code	DD4B

Engine Rm	1	34	0	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	2	34	21	0	0	0	0
			0	0	0	0	0

Standard Turn		Target Sz	
120		0	
Emergency Turn		Searchlights	
150		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				

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

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

T#	DE #	SEVERITY	DESCRIPTION

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		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity

Karukaya

DD JAPAN 1923 to 1941

1743-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	03/19/1923
Sunk 05/10/1944		*Draft*	8.3 ft	*Completed*	08/20/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

20

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)	275
Engines	2 Parsons 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	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

Karukaya

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

Karukaya

DD JAPAN 1941 to 1944

1743-1 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Fujinagata, Osaka	
Complement	110	*Beam*	26 ft	*Launched*	03/19/1923
Sunk 05/10/1944		*Draft*	8.3 ft	*Completed*	08/20/1923

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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 — 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					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
No.13 Type 3 M1
None

ASW MORTARS/ATW		
4 K-Guns		
None		

DEPTH CHARGES			
Rack	2		
Ammo	48		

Captain	

Radar fitted c.1944.

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

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TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	34

Engine Rm	1	34	0	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	2	34	21	0	0	0	0
			0	0	0	0	0

Standard Turn	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

Karukaya

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

Kikyo (Wakatake)

DD JAPAN 1922 to 1941

1739-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	07/24/1922
Sunk 03/30/1944		*Draft*	8.3 ft	*Completed*	09/30/1922

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
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

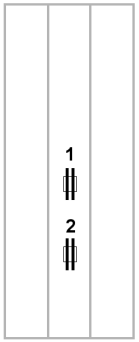
COM — PENETRATION TABLE

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

MINES

20

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						

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons 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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Kikyo (Wakatake)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

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

T#	DE #	SEVERITY	DESCRIPTION

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

Kikyo (Wakatake)

DD JAPAN 1941 to 1944

1739-1 WAKATAKE Class

Displacement	1,113 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	07/24/1922
Sunk 03/30/1944		*Draft*	8.3 ft	*Completed*	09/30/1922

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	+ 0
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

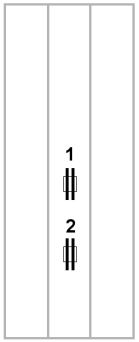
COM — PENETRATION TABLE

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

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					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
No.13 Type 3 M1
None

ASW MORTARS/ATW			DEPTH CHARGES			
4 K-Guns			Rack	2		
None			Ammo	48		

Captain	

Radar fitted c.1944.

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

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Kikyo (Wakatake)

TIER	DP
1/70	61
2/80	121
3/75	182
4/85	242
5/80	303
6/90	358
7/85	412
8/95	467
9/90	521
10	576
10	612

DP	606
KTS	31

Engine Rm	1	31	0	0	0	0	0
Prop/Shaft	2	31	16	0	0	0	0
Boiler Rm	2	31	19	0	0	0	0
			0	0	0	0	0

Standard Turn	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

Speed	00-09 kt	10-16 kt	17-20 kt	21-23 kt	24+ kt	
Increase	10.0	7.0	4.0	3.0	1.0	

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		2

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)
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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		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity

Tsutsuji (Yugao)

DD JAPAN 1924 to 1941

1745-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	04/14/1923
Sunk 11/10/1944		*Draft*	8.3 ft	*Completed*	05/31/1924

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
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

20

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)	275
Engines	2 Parsons 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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Tsutsuji (Yugao)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	35

Engine Rm	1	35	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

Tsutsuji (Yugao)

DD JAPAN 1941 to 1944

1745-1 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Ishikawajima, Tokyo	
Complement	110	*Beam*	26 ft	*Launched*	04/14/1923
Sunk 11/10/1944		*Draft*	8.3 ft	*Completed*	05/31/1924

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
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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	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)	275
Engines	2 Parsons GT		
Boilers	2 Kampon		

Radius (nm/kts)	

Search Radar
None
None

ASW MORTARS/ATW		
2 K-Guns		
None		

DEPTH CHARGES			
Rack	2		
Ammo	60		

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Tsutsuji (Yugao)

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545								
KTS	18								

Engine Rm	1	18	0	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	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

Fuel Code	

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
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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

Yuri (Kuretake

DD JAPAN 1922 to 1941

1740-0 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	10/21/1922
Sunk 12/30/1944		*Draft*	8.3 ft	*Completed*	12/21/1922

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
1		1Q2	None	

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	480

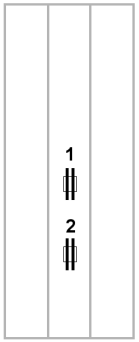
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

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

MINES

20

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						

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons 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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Yuri (Kuretake

TIER	DP
1/70	55
2/80	109
3/75	164
4/85	218
5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545									
KTS	35									

Fuel Code	DD4B

Engine Rm	1	35	0	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		Target Sz	
120		0	
Emergency Turn		Searchlights	
150		Port	Stbd

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

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
1				

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

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

T#	DE #	SEVERITY	DESCRIPTION

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

Yuri (Kuretake

DD JAPAN 1941 to 1944

1740-1 WAKATAKE Class

Displacement	900 ts	*Length*	280 ft	Kawasaki, Kobe	
Complement	110	*Beam*	26 ft	*Launched*	10/21/1922
Sunk 12/30/1944		*Draft*	8.3 ft	*Completed*	12/21/1922

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	+ 0
1	None	
1Q2		

AP	SAP
COM	HE

AA	1.7	Level	S	Ammunition	160 rpg	320

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	14	9	9	6	7	4	6	4
10 - 18	10	6	7	4	5	3	4	3
19 - 27	8	5	5	3	4	3	3	2
28 - 36	7	4	5	3	3	2	3	2
37 - 45	6	4	4	3	3	2	3	2

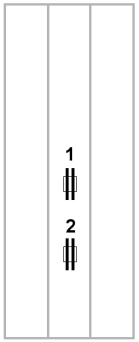
COM — PENETRATION TABLE

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

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					

Coal (ts)	0	Oil (ts)	275
Engines	2 Parsons GT		
Boilers	3 Kampon		

Radius (nm/kts)	
3000	15

Search Radar
No.13 Type 3 M1
None

ASW MORTARS/ATW			DEPTH CHARGES			
4 K-Guns			Rack	2		
None			Ammo	48		

Captain	

Radar fitted c.1944.

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

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TIER	DP
1/70	55
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5/80	273
6/90	322
7/85	371
8/95	420
9/90	469
10	518
10	550

DP	545
KTS	34

Engine Rm	1	34	0	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	2	34	21	0	0	0	0
			0	0	0	0	0

Standard Turn	
120	
Emergency Turn	
150	

Target Sz	
0	
Searchlights	
Port	Stbd

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

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

Fuel Code	DD4B

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7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
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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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Yuri (Kuretake

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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
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16 TO 45	2 Segments
46 TO 90	3 Segments
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NO DAMAGE CONTROL		DAMAGE CONTROL	
ROLL	EFECT ON FIRE	ROLL	EFECT ON FIRE
01-03	-20 from severity	01-05	Fire extinguished
04-12	-10 from severity	06-15	-30 from severity
13-50	No change	16-45	-20 from severity
51-85	+10 to severity	46-75	-10 from severity
86-95	+30 to severity	76-90	No change
96-00	+40 to severity	91-00	+10 to severity