Yubari

CL JAPAN 1923 to 1935

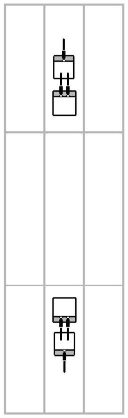
2731-0 YUBARI Class

Displacement	3,387 ts	*Length*	448 ft	Sasebo Naval Yard	
Complement	328	*Beam*	40 ft	*Launched*	03/05/1923
Sunk 04/28/1944		*Draft*	11.8 ft	*Completed*	07/31/1923

SEEKRIEG 5

SHIP LOG SHEET

Version 2/16/2009



6 x 14cm/50 Type 3 15

Max ROF		Range		Shell Size/Weight	
8.5	sh/min	20,890 yds	41.8"	5.5"	83.8 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
1	1J2	None		COM	HE
AA	2.9	Level	S	Ammunition 240 rpg	1440

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	19	12	14	9	11	7	9	6
10 - 18	13	8	10	6	8	5	7	4
19 - 27	11	7	8	5	6	4	5	3
28 - 36	9	6	7	4	5	3	5	3
37 - 45	8	5	6	4	5	3	4	3

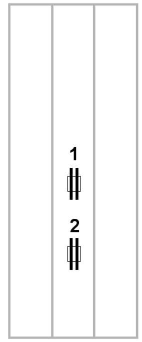
CPC PENETRATION TABLE

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	7.8	6.7	5.7	4.8	4.1	3.4	2.7	2.2	1.7					
Rge	S	S	S	M	M	M	L	L	E					
H	0.1	0.2	0.3	0.4	0.5	0.6	1.0	1.6	2.2					
V	6.1	5.0	4.0	3.1	2.4	2.0	1.6	1.5	1.6					

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	4	Ammo	8
61cm Type 8 M2			
Damage Class	C		
Settings			
11,000/38			
16,400/32			
21,900/27			

MINES

34			

RAPID FIRE BATTERIES

RF1	1	8cm/40 Type 3			
Max Rg	11,800	23.6"	7	5	
Eff Rg	5,310	10.6"	11	8	
RF 18	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA H	Port	1	1	1	0	0
	Stbd	1	1	1	0	0

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)	100	Oil (ts)	830	Radius (nm/kts)		Search Radar	ASW MORTARS/ATW	DEPTH CHARGES	
Engines	Gihon GT			5500	10	None	0	Rack	0
Boilers	8 Kampon					None	None	Ammo	0

COPYRIGHT © Richard R. Sartore 2009

Yubari

TIER	DP
1/70	106
2/80	211
3/75	317
4/85	423
5/80	529
6/90	624
7/85	719
8/95	814
9/90	909
10	1004
10	1068

DP	1057
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	3	35	27	8	0	0	0
Boiler Rm	3	35	29	13	0	0	0
			0	0	0	0	0

Standard Turn	Target Sz
60	1
Emergency Turn	Searchlights
90	Port / Stbd

Speed	00-10 kt	11-18 kt	19-22 kt	23-25 kt	26-27 kt	28+ kt	Crew
Increase	11.0	8.0	5.0	3.0	2.0	1.0	

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		3

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	0.8	1.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.3	0.3
4V CON	0.0	0.0
5V BELT MID	1.9	2.3
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.8	1.0
9V SUPERSTR	0.4	0.5

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

Yubari

CL JAPAN 1936 to 1943

2731-1 YUBARI Class

Displacement	2,890 ts	*Length*	448 ft	Sasebo Naval Yard	
Complement	328	*Beam*	40 ft	*Launched*	03/05/1923
Sunk 04/28/1944		*Draft*	11.8 ft	*Completed*	07/31/1923

SEEKRIEG 5

SHIP LOG SHEET

Version 2/16/2009

6 x 14cm/50 Type 3 — 15

Max ROF	Range		Shell Size/Weight	
8.5 sh/min	20,890 yds	41.8"	5.5"	83.8 lbs.

Fire Control			FC Radar	+ 0
1		1G2	None	

AP	SAP
COM	HE

AA	2.9	Level	S	Ammunition	240 rpg	1440

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	21	13	15	10	12	8	10	7
10 - 18	15	9	11	7	9	5	7	5
19 - 27	12	8	9	6	7	4	6	4
28 - 36	10	7	7	5	6	4	5	3
37 - 45	9	6	7	4	5	3	5	3

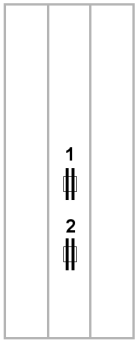
CPC / PENETRATION TABLE

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	7.8	6.7	5.7	4.8	4.1	3.4	2.7	2.2	1.7					
Rge	S	S	S	M	M	M	L	L	E					
H	0.1	0.2	0.3	0.4	0.5	0.6	1.0	1.6	2.2					
V	6.1	5.0	4.0	3.1	2.4	2.0	1.6	1.5	1.6					

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	4	Ammo	8

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

0			

RAPID FIRE BATTERIES

RF1 — 4 — 25mm/60 Type 96

Max Rg	7,440	14.9"	7	5
Eff Rg	3,348	6.7"	11	8

RF 5	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA M	Port	8	7	4	3	1
	Stbd	8	7	4	3	1

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)	100	Oil (ts)	830
Engines	Gihon GT		
Boilers	8 Kampon		

Radius (nm/kts)	
5500	10

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

COPYRIGHT © Richard R. Sartore 2009

Yubari

TIER	DP
1/70	98
2/80	195
3/75	293
4/85	391
5/80	489
6/90	576
7/85	664
8/95	752
9/90	840
10	928
10	987

DP	977
KTS	34

Engine Rm	2	34	20	0	0	0	0
Prop/Shaft	3	34	26	8	0	0	0
Boiler Rm	3	34	28	12	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

Speed	00-10 kt	11-18 kt	19-22 kt	23-25 kt	26-27 kt	28+ kt
Increase	11.0	8.0	5.0	3.0	2.0	1.0

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	0.8	1.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.3	0.3
4V CON	0.0	0.0
5V BELT MID	1.9	2.3
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.8	1.0
9V SUPERSTR	0.4	0.5

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

Yubari

CL JAPAN 1944 to 1944

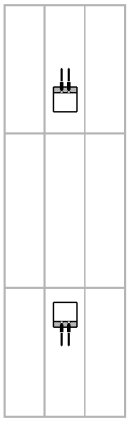
2731-2 YUBARI Class

Displacement	2,890 ts	*Length*	448 ft	Sasebo Naval Yard	
Complement	328	*Beam*	40 ft	*Launched*	03/05/1923
Sunk 04/28/1944		*Draft*	11.8 ft	*Completed*	07/31/1923

SEEKRIEG 5

SHIP LOG SHEET

Version 2/16/2009



4 x 14cm/50 Type 3 15

Max ROF	Range		Shell Size/Weight	
8.5 sh/min	20,890 yds	41.8"	5.5"	83.8 lbs.

Fire Control			FC Radar	+ 0
1		1G2	None	

AP	SAP
COM	HE

AA	2.9	Level	S	Ammunition	240 rpg	960

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	21	13	15	10	12	8	10	7
10 - 18	15	9	11	7	9	5	7	5
19 - 27	12	8	9	6	7	4	6	4
28 - 36	10	7	7	5	6	4	5	3
37 - 45	9	6	7	4	5	3	5	3

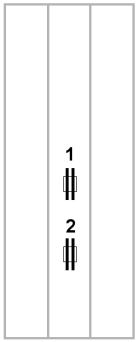
CPC / PENETRATION TABLE

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	7.8	6.7	5.7	4.8	4.1	3.4	2.7	2.2	1.7					
Rge	S	S	S	M	M	M	L	L	E					
H	0.1	0.2	0.3	0.4	0.5	0.6	1.0	1.6	2.2					
V	6.1	5.0	4.0	3.1	2.4	2.0	1.6	1.5	1.6					

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	4	Ammo	8

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

0			

RAPID FIRE BATTERIES

RF1 12 — 25mm/60 Type 96

Max Rg	7,440	14.9"	9	7
Eff Rg	3,348	6.7"	13	10

RF						
5	Port	6	5	3	2	1
	Stbd	6	5	3	2	1
AA	Port	24	20	13	8	4
M	Stbd	24	20	13	8	4

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)	100	Oil (ts)	830
Engines	Gihon GT		
Boilers	8 Kampon		

Radius (nm/kts)	
5500	10

Search Radar
No.22 M4
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	2		
None			Ammo	12		

Captain	

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

COPYRIGHT © Richard R. Sartore 2009

Yubari

TIER	DP
1/70	98
2/80	195
3/75	293
4/85	391
5/80	489
6/90	576
7/85	664
8/95	752
9/90	840
10	928
10	987

DP	977
KTS	32

Engine Rm	2	32	18	0	0	0	0
Prop/Shaft	3	32	25	8	0	0	0
Boiler Rm	3	32	26	11	0	0	0
			0	0	0	0	0

Standard Turn	Target Sz
60	1
Emergency Turn	Searchlights
90	Port / Stbd

Speed	00-09 kt	10-16 kt	17-20 kt	21-23 kt	24-25 kt	26+ kt	Crew
Increase	10.0	7.0	4.0	3.0	2.0	1.0	

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	0.8	1.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.3	0.3
4V CON	0.0	0.0
5V BELT MID	1.9	2.3
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	0.8	1.0
9V SUPERSTR	0.4	0.5

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