Hato

TB JAPAN 1937 to 1943

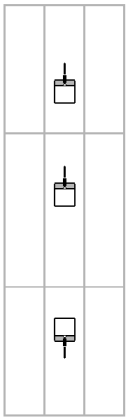
8187-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Ishikawajima, Tokyo	
Complement		*Beam*	27 ft	*Launched*	01/25/1937
Sunk 10/16/1944		*Draft*	9.1 ft	*Completed*	08/07/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

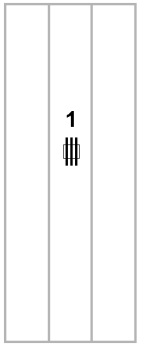
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	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)	0	Oil (ts)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

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Hato

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Hato

TB JAPAN 1944 to 1944

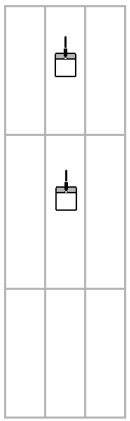
8187-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Ishikawajima, Tokyo	
Complement		*Beam*	27 ft	*Launched*	01/25/1937
Sunk 10/16/1944		*Draft*	9.1 ft	*Completed*	08/07/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

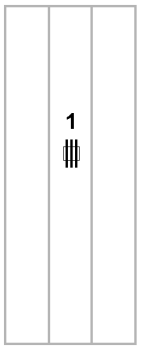
COM — PENETRATION TABLE

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class	C

Settings

6,000/45

6,550/43

10,900/35

MINES

0			

RAPID FIRE BATTERIES

RF1	11	25mm/60 Type 96			
Max Rg	7,440	14.9"	9	7	
Eff Rg	3,348	6.7"	13	10	

RF						
5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA	Port	22	18	12	7	3
M	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

ASW MORTARS/ATW		
2 Y-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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Hato

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Hayabusa

TB JAPAN 1937 to 1943

8186-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Yokohama Docks	
Complement		*Beam*	27 ft	*Launched*	10/28/1935
Sunk 09/24/1944		*Draft*	9.1 ft	*Completed*	12/07/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	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)	0	Oil (ts)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

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Hayabusa

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Hayabusa

TB JAPAN 1944 to 1944

8186-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Yokohama Docks	
Complement		*Beam*	27 ft	*Launched*	10/28/1935
Sunk 09/24/1944		*Draft*	9.1 ft	*Completed*	12/07/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class: C

Settings: 6,000/45 | 6,550/43 | 10,900/35

MINES

0			

RAPID FIRE BATTERIES

RF1 — 11 — 25mm/60 Type 96

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

RF 5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA M	Port	22	18	12	7	3
	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

ASW MORTARS/ATW		
2 Y-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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Hayabusa

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Hiyodori

TB JAPAN 1937 to 1943

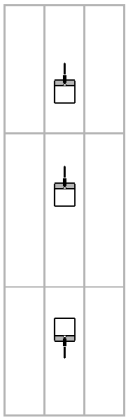
8185-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Ishikawajima, Tokyo	
Complement		*Beam*	27 ft	*Launched*	10/25/1935
Sunk 11/17/1944		*Draft*	9.1 ft	*Completed*	12/20/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

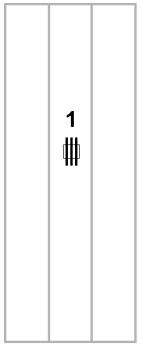
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	1

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

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Hiyodori

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Hiyodori

TB JAPAN 1944 to 1944

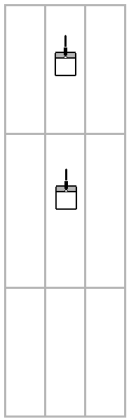
8185-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Ishikawajima, Tokyo	
Complement		*Beam*	27 ft	*Launched*	10/25/1935
Sunk 11/17/1944		*Draft*	9.1 ft	*Completed*	12/20/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class: C

Settings:
- 6,000/45
- 6,550/43
- 10,900/35

MINES

0			

RAPID FIRE BATTERIES

RF1 — 11 — 25mm/60 Type 96

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

RF 5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA M	Port	22	18	12	7	3
	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

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

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Hiyodori

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Kari

TB JAPAN 1937 to 1943

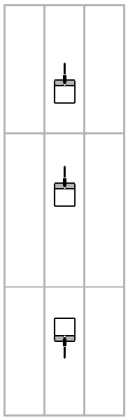
8189-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Mitsubishi, Yokohama	
Complement		*Beam*	27 ft	*Launched*	01/20/1937
Sunk 07/16/1945		*Draft*	9.1 ft	*Completed*	09/20/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

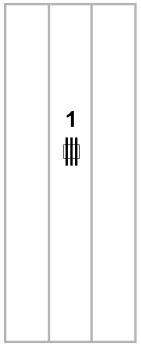
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	1

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

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TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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)
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PRIMARY BATTERY																					
																				B1D	Directed fire as range permits
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																				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

Kari

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

Kari

TB JAPAN 1944 to 1945

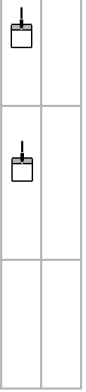
8189-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Mitsubishi, Yokohama	
Complement		*Beam*	27 ft	*Launched*	01/20/1937
Sunk 07/16/1945		*Draft*	9.1 ft	*Completed*	09/20/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class C

Settings

6,000/45

6,550/43

10,900/35

MINES

0			

RAPID FIRE BATTERIES

RF1 11 — 25mm/60 Type 96

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

RF 5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA M	Port	22	18	12	7	3
	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

ASW MORTARS/ATW		
2 Y-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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TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Kari

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

Kasasagi

TB JAPAN 1937 to 1943

8184-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Osaka Tekkosho	
Complement		*Beam*	27 ft	*Launched*	10/28/1945
Sunk 09/26/1943		*Draft*	9.1 ft	*Completed*	01/15/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Coal (ts)	0	Oil (ts)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

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

TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	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					

Captain	

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

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TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Kasasagi

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

Kiji

TB JAPAN 1937 to 1943

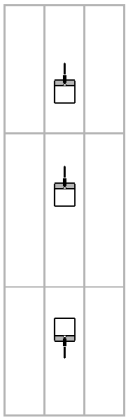
8190-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Tama Zenosho KK	
Complement		*Beam*	27 ft	*Launched*	01/26/1937
To USSR 1947		*Draft*	9.1 ft	*Completed*	

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

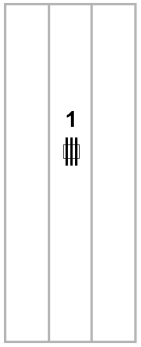
FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	1

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

Kiji

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Kiji

TB JAPAN 1944 to 1945

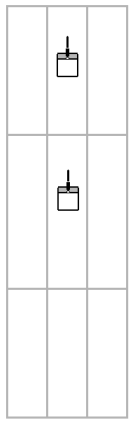
8190-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Tama Zenosho KK	
Complement		*Beam*	27 ft	*Launched*	01/26/1937
To USSR 1947		*Draft*	9.1 ft	*Completed*	

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class	C

Settings

6,000/45

6,550/43

10,900/35

MINES

0

RAPID FIRE BATTERIES

RF1 — 11 — 25mm/60 Type 96

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

RF						
5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA	Port	22	18	12	7	3
M	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

ASW MORTARS/ATW		
2 Y-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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Kiji

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Otori

TB JAPAN 1937 to 1943

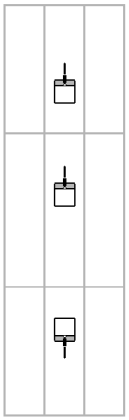
8183-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Maizuru Navy Yard	
Complement		*Beam*	27 ft	*Launched*	04/25/1935
Sunk 06/12/1944		*Draft*	9.1 ft	*Completed*	10/10/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	1

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

Otori

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Otori

TB JAPAN 1944 to 1944

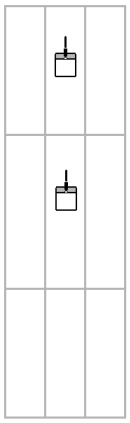
8183-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Maizuru Navy Yard	
Complement		*Beam*	27 ft	*Launched*	04/25/1935
Sunk 06/12/1944		*Draft*	9.1 ft	*Completed*	10/10/1936

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class C

Settings

6,000/45

6,550/43

10,900/35

MINES

0			

RAPID FIRE BATTERIES

RF1 — 11 — 25mm/60 Type 96

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

RF 5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1
AA M	Port	22	18	12	7	3
	Stbd	22	18	12	7	3

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	10

Search Radar
None
None

ASW MORTARS/ATW		
2 Y-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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Otori

TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Sagi

TB JAPAN 1937 to 1943

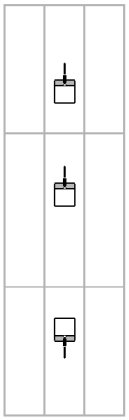
8188-0 OTORI Class

Displacement	840 ts	*Length*	285 ft	Harima Zenosho KK	
Complement		*Beam*	27 ft	*Launched*	01/30/1937
Sunk 11/08/1944		*Draft*	9.1 ft	*Completed*	07/31/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	600

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

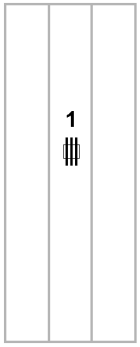
COM — PENETRATION TABLE

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	



TORPEDOES

TT	3	Ammo	6

53cm Type 6

Damage Class	E

Settings

7,600/36

11,000/32

17,000/27

MINES

0			

RAPID FIRE BATTERIES

RF1	1	40mm/62 HI Shiki			
Max Rg	7,500	15.0"	7	5	
Eff Rg	3,375	6.8"	11	8	

RF						
11	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	4	3	2	1	1
H	Stbd	4	3	2	1	1

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)	150
Engines	Kampon GT		
Boilers	2 Kampon		

Radius (nm/kts)	
9000	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

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TIER	DP
1/70	53
2/80	105
3/75	158
4/85	210
5/80	263
6/90	310
7/85	358
8/95	405
9/90	452
10	500
10	531

DP	526
KTS	30

Engine Rm	2	30	17	0	0	0	0
Prop/Shaft	2	30	15	0	0	0	0
Boiler Rm	2	30	18	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	11-18 kt	19-22 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	

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

Sagi

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

Sagi

TB JAPAN 1944 to 1944

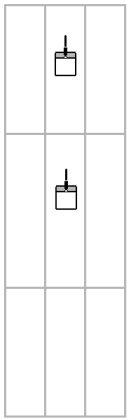
8188-1 OTORI Class

Displacement	840 ts	*Length*	285 ft	Harima Zenosho KK	
Complement		*Beam*	27 ft	*Launched*	01/30/1937
Sunk 11/08/1944		*Draft*	9.1 ft	*Completed*	07/31/1937

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	17,500 yds	35.0"	4.7"	45.0 lbs.

Fire Control			FC Radar	+ 0
1		1D3	None	

AP	SAP
COM	HE

AA	1.7	Level	V	Ammunition	200 rpg	400

FIRE CONTROL TABLE								
T Kts	Short		Medium		Long		Extreme	
0 - 9	26	18	21	14	17	12	16	11
10 - 18	23	16	18	13	15	11	14	9
19 - 27	21	15	17	12	14	10	13	9
28 - 36	20	14	16	11	13	9	12	8
37 - 45	19	13	15	10	13	9	11	8

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	7.8	6.4	5.3	4.3	3.5	2.9	2.2	1.5						
Rge	S	S	S	M	M	L	E	E						
H	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7						
V	3.6	2.6	1.9	1.5	1.3	1.2	1.1	1.2						

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

TORPEDOES

TT	3	Ammo	6

53cm Type 89

Damage Class C

Settings

6,000/45

6,550/43

10,900/35

MINES

0

RAPID FIRE BATTERIES

RF1	11	25mm/60 Type 96			
Max Rg	7,440	14.9"	9	7	
Eff Rg	3,348	6.7"	13	10	

RF						
5	Port	6	4	3	2	1
	Stbd	6	4	3	2	1

AA						
M	Port	22	18	12	7	3
	Stbd	22	18	12	7	3

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					

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