Jintsu

CL JAPAN 1925 to 1934

1663-0 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Kawasaki, Kobe	
Complement	450	*Beam*	48 ft	*Launched*	12/08/1923
Sunk 07/14/1943		*Draft*	16 ft	*Completed*	07/31/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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

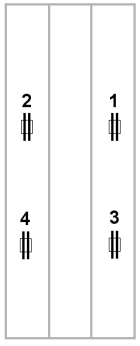
CPC / PENETRATION TABLE

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	1			Catapult	0	
E3A-1				1	1	21
107 kts		68 kts		15450 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80			

RAPID FIRE BATTERIES

RF1	2	8cm/40 Type 3			
Max Rg	11,800	23.6"	7	5	
Eff Rg	5,310	10.6"	11	8	

RF						
18	Port	1	1	1	0	0
	Stbd	1	1	1	0	0
AA	Port	2	2	1	1	0
H	Stbd	2	2	1	1	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)	300	Oil (ts)	1010
Engines	4 CurtisGT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

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

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Jintsu

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	4	35	30	18	5	0	0
Boiler Rm	4	35	32	22	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

Jintsu

CL JAPAN 1934 to 1942

1663-1 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Kawasaki, Kobe	
Complement	450	*Beam*	48 ft	*Launched*	12/08/1923
Sunk 07/14/1943		*Draft*	16 ft	*Completed*	07/31/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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

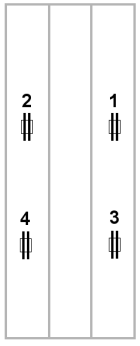
CPC / PENETRATION TABLE

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	1			Catapult	1	
E4N-2				1	1	23
125 kts		80 kts		18830 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80			

RAPID FIRE BATTERIES

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

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

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	300	Oil (ts)	1010
Engines	4 CurtisGT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

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

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Jintsu

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
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																				CS #	Alter course to STARBOARD
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																				VX	Launch aircraft
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																				B1V	Coordinated fire
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																				B1P	Split fire
																				B1C	Change target
																				B1B	Barrage fire as range permits
RF BATTERY																					
																				R5B	Barrage fire as range permits
																				R6B	Barrage fire as range permits
																				R7B	Barrage fire as range permits

LOSS OF SPEED DURING TURNS

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

TURNING SEGMENTS

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

SHIPBOARD FIRE TRACKING

T#	Fire	Current Severity					T#	Fire	Current Severity				

FIGHTING SHIPBOARD FIRES

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

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

Jintsu

CL JAPAN 1943 to 1943

1663-2 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Kawasaki, Kobe	
Complement	450	*Beam*	48 ft	*Launched*	12/08/1923
Sunk 07/14/1943		*Draft*	16 ft	*Completed*	07/31/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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	1			Catapult	1	
E4N-2				1	1	23
125 kts		80 kts		18830 ft		

P S

TORPEDOES

TT	8	Ammo	16

61cm Type 90

Damage Class	B

Settings

7,650/46

10,900/42

16,400/35

MINES

0

RAPID FIRE BATTERIES

RF1	12	25mm/60 Type 96			
Max Rg	7,440	14.9"	7	5	
Eff Rg	3,348	6.7"	11	8	

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					

Captain	

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

Coal (ts)	300	Oil (ts)	1010
Engines	4 CurtisGT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

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

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Jintsu

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
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7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
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5V BELT MID	2.1	2.5
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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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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
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TURNING SEGMENTS

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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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91-00	+10 to severity

Naka

CL JAPAN 1925 to 1934

1662-0 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Yokohama	
Complement	450	*Beam*	48 ft	*Launched*	03/24/1925
Sunk 02/17/1944		*Draft*	16 ft	*Completed*	11/30/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
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Fire Control			FC Radar	+ 0	AP	SAP
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AA	2.7	Level	S	Ammunition	240 rpg	1680

FIRE CONTROL TABLE

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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

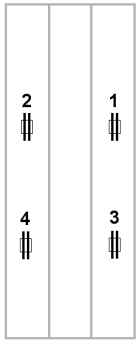
CPC / PENETRATION TABLE

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	1			Catapult	0	
E3A-1				1	1	21
107 kts		68 kts		15450 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80			

RAPID FIRE BATTERIES

RF1	2	8cm/40 Type 3			
Max Rg	11,800	23.6"	7	5	
Eff Rg	5,310	10.6"	11	8	

RF						
18	Port	1	1	1	0	0
	Stbd	1	1	1	0	0
AA	Port	2	2	1	1	0
H	Stbd	2	2	1	1	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)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

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

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Naka

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	4	35	30	18	5	0	0
Boiler Rm	4	35	32	22	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

Naka

CL JAPAN 1934 to 1942

1662-1 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Yokohama	
Complement	450	*Beam*	48 ft	*Launched*	03/24/1925
Sunk 02/17/1944		*Draft*	16 ft	*Completed*	11/30/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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

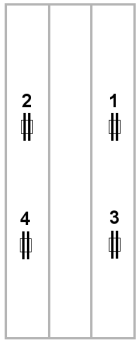
CPC / PENETRATION TABLE

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	1			Catapult	1	
E4N-2				1	1	23
125 kts		80 kts		18830 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80			

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)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

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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Naka

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

Naka

CL JAPAN 1943 to 1944

1662-2 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Yokohama	
Complement	450	*Beam*	48 ft	*Launched*	03/24/1925
Sunk 02/17/1944		*Draft*	16 ft	*Completed*	11/30/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

6 x 14cm/50 Type 3 — 15

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

Fire Control			FC Radar	+ 0	AP	SAP
1		1G2	None		COM	HE

AA	2.7	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					

2 x 12.7cm/40 Type 89 — 13

Max ROF	Range	Shell Size/Weight
12.0 sh/min	16,185 yds 32.4"	5.0" 51.7 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1G2	None		COM	HE

AA	2.7	Level	V	Ammunition	360 rpg	720

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

HE — 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	7.6	6.2	5.0	4.0	3.3	2.7	2.0	1.6						
Rge	S	S	M	M	L	L	E	E						
H	0.1	0.2	0.3	0.4	0.5	0.8	1.4	1.8						
V	3.9	2.8	2.1	1.7	1.3	1.2	1.1	1.3						

Coal (ts)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
No.21 Type 2 M2
None

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

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	1			Catapult	1	
E4N-2				1	1	23
125 kts	80 kts	18830 ft				

P S

TORPEDOES

TT	8	Ammo	16

61cm Type 90

Damage Class	B

Settings: 7,650/46; 10,900/42; 16,400/35

MINES: 0

RAPID FIRE BATTERIES

RF1	12	25mm/60 Type 96			
Max Rg	7,440	14.9"		7	5
Eff Rg	3,348	6.7"		11	8

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					

Captain

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

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Naka

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
3				

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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
SECONDARY BATTERY																					
																				B2D	Directed fire as range permits
																				B2L	Local control as range permits
																				B2P	Split fire
																				B2C	Change target
																				B2B	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

Sendai

CL JAPAN 1924 to 1934

1661-0 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Nagasaki	
Complement	450	*Beam*	48 ft	*Launched*	10/30/1923
Sunk 11/02/1943		*Draft*	16 ft	*Completed*	04/29/1924

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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

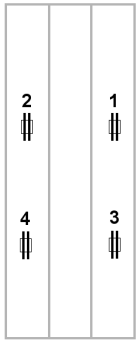
CPC / PENETRATION TABLE

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	1			Catapult	0	
E3A-1				1	1	21
107 kts		68 kts		15450 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80			

RAPID FIRE BATTERIES

RF1	2	8cm/40 Type 3			
Max Rg	11,800	23.6"	7	5	
Eff Rg	5,310	10.6"	11	8	

RF						
18	Port	1	1	1	0	0
	Stbd	1	1	1	0	0
AA	Port	2	2	1	1	0
H	Stbd	2	2	1	1	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)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

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

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Sendai

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	4	35	30	18	5	0	0
Boiler Rm	4	35	32	22	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

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

Sendai

CL JAPAN 1934 to 1942

1661-1 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Nagasaki	
Complement	450	*Beam*	48 ft	*Launched*	10/30/1923
Sunk 11/02/1943		*Draft*	16 ft	*Completed*	04/29/1924

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

7 x 14cm/50 Type 3 15

Max ROF	Range	Shell Size/Weight
7.0 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	2.7	Level	S	Ammunition	240 rpg	1680

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

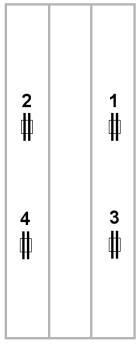
CPC / PENETRATION TABLE

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	1			Catapult	1	
E4N-2				1	1	23
125 kts		80 kts		18830 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 8 M2

Damage Class	C

Settings

11,000/38

16,400/32

21,900/27

MINES

80

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)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

Captain	

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

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Sendai

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

T#	DE #	SEVERITY	DESCRIPTION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	CODE	ORDER
																				AF	Obey signals from Flagship
																				AI	Independent Action
																				AX	Battle Stations!
																				AA	Abandon ship!
																				AZ	Strike colors
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																				CA	Midships steady
																				CP #	Alter course to PORT
																				CS #	Alter course to STARBOARD
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																				IS ##	Illuminate using starshell
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																				TR (X)	Prepare to launch torpedoes to (X)
																				TL (X)	Launch torpedoes to (X)
																				VL	Prepare to launch aircraft
																				VX	Launch aircraft
PRIMARY BATTERY																					
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																				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

Sendai

CL JAPAN 1943 to 1943

1661-2 SENDAI Class

Displacement	5,113 ts	*Length*	520 ft	Mitsubishi, Nagasaki	
Complement	450	*Beam*	48 ft	*Launched*	10/30/1923
Sunk 11/02/1943		*Draft*	16 ft	*Completed*	04/29/1924

SEEKRIEG 5

SHIP LOG SHEET

Version 2/18/2009

6 x 14cm/50 Type 3 15

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

Fire Control			FC Radar	+ 0	AP	SAP
1		1G2	None		COM	HE

AA	2.7	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

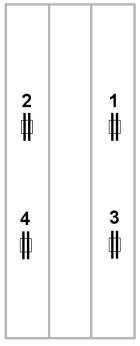
CPC / PENETRATION TABLE

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	1			Catapult	1	
E4N-2				1	1	23
125 kts		80 kts		18830 ft		



TORPEDOES

TT	8	Ammo	16

61cm Type 90

Damage Class	B

Settings

7,650/46

10,900/42

16,400/35

MINES

0

RAPID FIRE BATTERIES

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

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

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	300	Oil (ts)	1010
Engines	4 Gihon GT		
Boilers	12 Kampon		

Radius (nm/kts)	
7800	10
1300	33

Search Radar
No.21 Type 2 M2
None

ASW MORTARS/ATW			DEPTH CHARGES			
2			Rack	2		
None			Ammo	20		

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Sendai

TIER	DP
1/70	130
2/80	260
3/75	390
4/85	520
5/80	650
6/90	766
7/85	883
8/95	1000
9/90	1117
10	1234
10	1312

DP	1299
KTS	33

Engine Rm	2	33	19	0	0	0	0
Prop/Shaft	4	33	29	17	4	0	0
Boiler Rm	4	33	30	20	8	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	CS3C

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.5	0.6
4V CON	1.6	2.0
5V BELT MID	2.1	2.5
6V BELT END	1.6	2.0
7V BARBETTE	0.0	0.0
8V TURRET	0.0	0.0
9V SUPERSTR	0.7	0.8

T#	DE #	SEVERITY	DESCRIPTION

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

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13-50	No change
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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