Java

CL NETHERLANDS 1935 to 1942

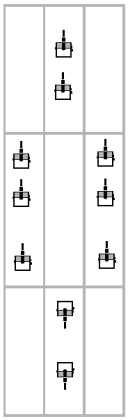
2757-1 JAVA Class

Displacement	6,670 ts	*Length*	466 ft	De Schelde	
Complement	525	*Beam*	49 ft	*Launched*	08/09/1921
Sunk 02/27/1942		*Draft*	18.5 ft	*Completed*	05/01/1925

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007



10 x 15cm K/50 M/24 16

Max ROF	Range	Shell Size/Weight
5.0 sh/min	23,522 yds 47.0"	5.9" 100.3 lbs.

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

AA	2.5	Level	S	Ammunition	240 rpg	2400

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

SAPBC — 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	**7.9**	**6.8**	**5.9**	**5.0**	**4.3**	**3.7**	**2.9**	**2.4**	**1.9**	**1.7**				
Rge	**S**	**S**	**S**	**S**	**M**	**M**	**L**	**L**	**E**	**E**				
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.4				
V	10.7	9.0	7.4	6.0	4.7	3.7	2.4	2.3	2.2	2.3				

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	2			Catapult	0	
Fokker C.XI-W				2 1 26		
151 kts	127 kts			21000 ft		

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	4	40mm/56 Mk N1			
Max Rg	10,750	21.5"	9	7	
Eff Rg	4,838	9.7"	13	10	

RF						
10	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	14	11	8	5	2
H	Stbd	14	11	8	5	2

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

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

Coal (ts)	0	Oil (ts)	1200
Engines	Germania GT		
Boilers	8 Schulz-Thornycroft		

Radius (nm/kts)	
3600	12

Search Radar
None
None

ASW MORTARS/ATW			DEPTH CHARGES			
0			Rack	0		
None			Ammo	10		

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Java

TIER	DP
1/70	148
2/80	297
3/75	445
4/85	594
5/80	742
6/90	876
7/85	1009
8/95	1143
9/90	1276
10	1410
10	1499

DP	1484
KTS	31

Engine Rm	3	31	25	10	0	0	0
Prop/Shaft	3	31	24	7	0	0	0
Boiler Rm	4	31	28	19	7	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

Fuel Code	CL3D

ARMOR	0.82	Actual
1H DECK	1.6	2.0
2H TURRET	0.0	0.0
3H SUPERSTR	0.6	0.7
4V CON	4.1	5.0
5V BELT MID	2.5	3.0
6V BELT END	0.0	0.0
7V BARBETTE	0.0	0.0
8V TURRET	3.3	4.0
9V SUPERSTR	0.8	1.0

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

De Ruyter

CL NETHERLANDS 1936 to 1942

2756-0 DE RUYTER Class

Displacement	6,442 ts	*Length*	561 ft	Wilton-Fijenoord	
Complement	435	*Beam*	52 ft	*Launched*	05/11/1935
Sunk 02/27/1942		*Draft*	16.8 ft	*Completed*	10/03/1936

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

7 x 15cm K/50 M/25 | 16

Max ROF	Range	Shell Size/Weight
5.0 sh/min	26,430 yds 52.9"	5.9" 100.3 lbs.

Fire Control	FC Radar	
2 1E3	None	+ 0

AP	SAP
COM	HE

AA	2.5	Level	V	Ammunition	200 rpg	1400

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	25	17	20	14	16	12	15	10
10 - 18	20	14	16	11	13	9	12	8
19 - 27	18	13	14	10	12	8	11	7
28 - 36	16	11	13	9	11	8	10	7
37 - 45	15	11	12	8	10	7	9	6

SAPBC 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	7.9	6.8	5.9	5.0	4.3	3.7	2.9	2.4	1.9	1.6	1.2			
Rge	S	S	S	S	M	M	L	L	E	E	E			
H	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.3	2.0	2.5	2.8			
V	10.7	9.0	7.4	6.0	4.7	3.7	2.4	2.3	2.2	2.3	2.4			

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	2			Catapult	1	
Fokker C.XI-W				2 1 26		
151 kts	127 kts			21000 ft		

TORPEDOES

TT	0	Ammo	0

None

Damage Class

Settings

MINES

0

RAPID FIRE BATTERIES

RF1	10	40mm/56 Mk N1			
Max Rg	10,750	21.5"	11	8	
Eff Rg	4,838	9.7"	14	11	

RF						
10	Port	5	4	3	2	1
	Stbd	5	4	3	2	1
AA	Port	35	28	19	11	5
H	Stbd	35	28	19	11	5

RF2		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

RF3		None			
Max Rg					
Eff Rg					

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

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

Coal (ts)	0	Oil (ts)	1300
Engines	Parsons GT		
Boilers	6 Yarrow		

Radius (nm/kts)	
6800	12

Search Radar
None
None

ASW MORTARS/ATW		
0		
None		

DEPTH CHARGES			
Rack	0		
Ammo	0		

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De Ruyter

TIER	DP
1/70	146
2/80	292
3/75	437
4/85	583
5/80	729
6/90	860
7/85	991
8/95	1123
9/90	1254
10	1385
10	1473

DP	1458
KTS	32

Engine Rm	2	32	18	0	0	0	0
Prop/Shaft	2	32	16	0	0	0	0
Boiler Rm	3	32	26	11	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
1	
Searchlights	
Port	Stbd

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

Crew

Bridge Command Rating	Flag Command Rating	Damage Control (DCR)
		4

Fuel Code	CS3D

ARMOR	0.82	Actual
1H DECK	1.0	1.2
2H TURRET	1.0	1.2
3H SUPERSTR	0.4	0.5
4V CON	1.0	1.2
5V BELT MID	1.6	2.0
6V BELT END	0.0	0.0
7V BARBETTE	1.0	1.2
8V TURRET	1.0	1.2
9V SUPERSTR	0.6	0.7

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

Evertsen

DD NETHERLANDS 1938 to 1942

1916-1 VAN GHENT Class

Displacement	1,316 ts	*Length*	322 ft	Bergerhout	
Complement	129	*Beam*	31 ft	*Launched*	12/29/1926
Lost 03/01/1942		*Draft*	9.8 ft	*Completed*	05/31/1928

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 — 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1N2	None		COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

24

RAPID FIRE BATTERIES

RF1	2	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	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						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	300
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3200	15

Search Radar
None
None

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

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Evertsen

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	34

Engine Rm	2	34	20	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	3	34	28	12	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Kortenaer

DD NETHERLANDS 1938 to 1942

1914-1 VAN GHENT Class

Displacement	1,316 ts	*Length*	322 ft	Bergerhout	
Complement	129	*Beam*	31 ft	*Launched*	06/30/1927
Lost 02/27/1942		*Draft*	9.8 ft	*Completed*	09/03/1928

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 — 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control	FC Radar	
1 1N2	None	+ 0

AP	SAP
COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC — 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class: C

Settings: 4.400/35; 13,100/28

MINES

24

RAPID FIRE BATTERIES

RF1	2	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	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						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

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

Coal (ts)	0	Oil (ts)	300
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3200	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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Kortenaer

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	34

Engine Rm	2	34	20	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	3	34	28	12	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Piet Hein

DD NETHERLANDS 1938 to 1942

1915-1 VAN GHENT Class

Displacement	1,316 ts	*Length*	322 ft	Bergerhout	
Complement	129	*Beam*	31 ft	*Launched*	04/02/1927
Lost 02/19/1942		*Draft*	9.8 ft	*Completed*	01/25/1928

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1N2	None		COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC — 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

24			

RAPID FIRE BATTERIES

RF1	2	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	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						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	300
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3200	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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Piet Hein

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	34

Engine Rm	2	34	20	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	3	34	28	12	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Van Ghent

DD NETHERLANDS 1938 to 1942

1917-1 VAN GHENT Class

Displacement	1,316 ts	*Length*	322 ft	KM de Schelde	
Complement	129	*Beam*	31 ft	*Launched*	10/23/1926
Wrecked 02/15/1942		*Draft*	9.8 ft	*Completed*	05/31/1928

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 — 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1N2	None		COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

24

RAPID FIRE BATTERIES

RF1	2	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	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						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain

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

Coal (ts)	0	Oil (ts)	300
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3200	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	34

Engine Rm	2	34	20	0	0	0	0
Prop/Shaft	2	34	17	0	0	0	0
Boiler Rm	3	34	28	12	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Van Ghent

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

Banckert

DD NETHERLANDS 1938 to 1945

1920-1 VAN GALEN Class

Displacement	1,316 ts	*Length*	322 ft	Bergerhout	
Complement	120	*Beam*	31 ft	*Launched*	11/14/1929
Sunk as target 09/00/1949		*Draft*	9.9 ft	*Completed*	11/14/1930

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1N2	None		COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

0

RAPID FIRE BATTERIES

RF1	1	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	11	8	

RF						
18	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	1	1	1	0	0
H	Stbd	1	1	1	0	0

RF2	4	40mm/56 Mk N1			
Max Rg	10,750	21.5"	9	7	
Eff Rg	4,838	9.7"	13	10	

RF						
10	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	14	11	8	5	2
H	Stbd	14	11	8	5	2

RF3		None		
Max Rg				
Eff Rg				

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	330
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3300	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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Banckert

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	3	35	29	13	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Van Galen

DD NETHERLANDS 1937 to 1940

1921-1 VAN GALEN Class

Displacement	1,316 ts	*Length*	322 ft	Bergerhout	
Complement	120	*Beam*	31 ft	*Launched*	06/28/1928
Sunk as target 05/10/1940		*Draft*	9.9 ft	*Completed*	10/22/1929

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 | 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control			FC Radar	+ 0	AP	SAP
1		1N2	None		COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

0			

RAPID FIRE BATTERIES

RF1	1	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	11	8	

RF 18					
Port	1	0	0	0	0
Stbd	1	0	0	0	0

AA H					
Port	1	1	1	0	0
Stbd	1	1	1	0	0

RF2	4	40mm/56 Mk N1			
Max Rg	10,750	21.5"	9	7	
Eff Rg	4,838	9.7"	13	10	

RF 10					
Port	2	2	1	1	0
Stbd	2	2	1	1	0

AA H					
Port	14	11	8	5	2
Stbd	14	11	8	5	2

RF3		None			
Max Rg					
Eff Rg					

RF 0					
Port					
Stbd					

AA					
Port					
Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	330
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3300	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	3	35	29	13	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Van Galen

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

Van Nes

DD NETHERLANDS 1938 to 1942

1919-1 VAN GALEN Class

Displacement	1,316 ts	*Length*	322 ft	Fijenoord	
Complement	120	*Beam*	31 ft	*Launched*	03/20/1930
Lost 02/27/1942		*Draft*	9.9 ft	*Completed*	03/12/1931

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 — 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control	FC Radar	
1 1N2	None	+ 0

AP	SAP
COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0			Catapult	0	

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

0

RAPID FIRE BATTERIES

RF1	1	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	11	8	

RF 18					
Port	1	0	0	0	0
Stbd	1	0	0	0	0

AA H					
Port	1	1	1	0	0
Stbd	1	1	1	0	0

RF2	4	40mm/56 Mk N1			
Max Rg	10,750	21.5"	9	7	
Eff Rg	4,838	9.7"	13	10	

RF 10					
Port	2	2	1	1	0
Stbd	2	2	1	1	0

AA H					
Port	14	11	8	5	2
Stbd	14	11	8	5	2

RF3		None		
Max Rg				
Eff Rg				

RF 0					
Port					
Stbd					

AA					
Port					
Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	330
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3300	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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Van Nes

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659
KTS	35

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	3	35	29	13	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

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

Fuel Code	DD5C

ARMOR	0.82	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

Witte de With

DD NETHERLANDS 1937 to 1942

1922-1 VAN GALEN Class

Displacement	1,316 ts	*Length*	322 ft	Fijenoord	
Complement	120	*Beam*	31 ft	*Launched*	09/11/1928
Scuttled 03/02/1942		*Draft*	9.9 ft	*Completed*	02/20/1930

SEEKRIEG 5

SHIP LOG SHEET

Version 2/11/2007

4 x 12cm K/50 M/24 | 13

Max ROF	Range	Shell Size/Weight
9.0 sh/min	19,500 yds 39.0"	4.7" 52.9 lbs.

Fire Control	FC Radar	
1 1N2	None	+ 0

AP	SAP
COM	HE

AA	2.4	Level	S	Ammunition	200 rpg	800

FIRE CONTROL TABLE

T Kts	Short		Medium		Long		Extreme	
0 - 9	16	10	12	7	9	6	8	5
10 - 18	11	7	8	5	7	4	6	4
19 - 27	9	6	7	4	5	3	5	3
28 - 36	8	5	6	4	5	3	4	2
37 - 45	7	5	5	3	4	3	4	2

SAPBC 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	7.9	6.7	5.6	4.7	3.9	3.3	2.6	2.0	1.8					
Rge	S	S	S	M	M	L	L	E	E					
H	0.1	0.2	0.3	0.4	0.4	0.5	0.9	1.5	1.7					
V	8.0	6.2	4.6	3.5	2.7	1.8	1.6	1.5	1.5					

Crew	Sea	BR	Targ Sz	Ops
			0	

AIRCRAFT

Aircraft	0	Catapult	0

1

2

TORPEDOES

TT	6	Ammo	6

21" V 53

Damage Class	C

Settings

4.400/35

13,100/28

MINES

0

RAPID FIRE BATTERIES

RF1	1	3.0"/45 20cwt QF			
Max Rg	10,900	21.8"	7	5	
Eff Rg	4,905	9.8"	11	8	

RF						
18	Port	1	0	0	0	0
	Stbd	1	0	0	0	0
AA	Port	1	1	1	0	0
H	Stbd	1	1	1	0	0

RF2	4	40mm/56 Mk N1			
Max Rg	10,750	21.5"	9	7	
Eff Rg	4,838	9.7"	13	10	

RF						
10	Port	2	2	1	1	0
	Stbd	2	2	1	1	0
AA	Port	14	11	8	5	2
H	Stbd	14	11	8	5	2

RF3		None		
Max Rg				
Eff Rg				

RF						
0	Port					
	Stbd					
AA	Port					
	Stbd					

Captain	

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

Coal (ts)	0	Oil (ts)	330
Engines	Parsons GT		
Boilers	3 Yarrow		

Radius (nm/kts)	
3300	15

Search Radar
None
None

ASW MORTARS/ATW		
4		
None		

DEPTH CHARGES			
Rack	0		
Ammo	12		

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Witte de With

TIER	DP
1/70	66
2/80	132
3/75	198
4/85	264
5/80	330
6/90	389
7/85	448
8/95	507
9/90	567
10	626
10	666

DP	659								
KTS	35								

Engine Rm	2	35	20	0	0	0	0
Prop/Shaft	2	35	18	0	0	0	0
Boiler Rm	3	35	29	13	0	0	0
			0	0	0	0	0

Standard Turn	
60	
Emergency Turn	
90	

Target Sz	
0	
Searchlights	
Port	Stbd

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

Crew

Bridge Command Rating				

Flag Command Rating				

Damage Control (DCR)				
2				

Fuel Code	DD5C

ARMOR	0.82	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