

PILLARS AND DECKS.

	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	mm INCHES IN SHIP.	Any Departure Approved Plan be Noted.
PILLARS, No. of Rows	One			
" in 'tween Decks, Size and Spacing	6.5 mm. C.L. bulkheads and pillars at hatch ends as approved. ✓			
" " " " " "				
" in Holds " " " " " "	7.5 mm. C.L. bulkheads and pillars at hatch end as approved ✓			
" " " " " " " "				
Centre Line Bulkhead. in Hold Stiffeners and Spacing	130 65 10 L ^r sp. 1350 ✓			
Plating, thickness of	130 75 8 L ^r sp 675 10 SHIPS 7.5 ENDS			
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	1475 x 14.5 ✓			
" " " " " in way of Bridge	-			
" Angle in Wells	90 90 14.5 ✓			
Thickness of Plating abreast Deck openings in way of Wells	14.5 ✓			
Thickness of Plating abreast Deck openings in way of Bridge	-			
Thickness of Plating within line of openings...	8/10 ✓			
If Sheathed, material and thickness	-			
Second Deck. Stringer Plate, breadth and thickness in Wells	1725 x 10 ✓			
Stringer Plate, breadth and thickness in way of Bridge	-			
Thickness of Plating abreast Deck openings in way of Wells	10 ✓			
Thickness of Plating abreast Deck openings in way of Bridge	-			
Thickness of Plating within line of openings...	8/10 ✓			
If Sheathed, material and thickness	-			
Third Deck. Stringer Plate, breadth and thickness	-			
If Plated, state thickness	-			
Fourth Deck. Stringer Plate, breadth and thickness	-			
If Plated, state thickness	-			
Boat Poop Deck. Stringer Plate, breadth and thickness	6/6.5 ✓			
Plating, Sheathing, material and thickness ...	6; Dex-O-Tex 7 mm. ✓			
Bridge Deck. Stringer Plate, breadth and thickness	-			
Plating, Sheathing, material and thickness ...	-			
Forecastle Deck. Stringer Plate, breadth and thickness	7 right across ✓			
Plating, Sheathing, material and thickness ...	(10 in way of windlass)			

SHELL PLATING.

SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.			State if jogged?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	170	19 ✓	16.5 ✓	16.5 ✓									
„ Dblg. (if any)	-	-	-	-									
Bottom Plating, No. of Strakes ... 3	A	14 ✓	18.5 ✓	12.5 ✓									
Bilge Plating, No. of Strakes ... 1	D	13 ✓	18.5 ✓	11 ✓									
Side Plating, No. of Strakes ... 1	E	13 ✓	18.5 ✓	10.5 ✓									
Upper Deck, Sheer-strake in Wells	G	15 ✓	11.5 ✓	10.5 ✓									
Upper Deck, Sheer-strake in Bridge ...	-	-	-	-									
Strake below Sheer-strake in Wells	F	13 ✓	18.5 ✓	10.5 ✓									
Strake below Sheer-strake in Bridge ...	-	-	-	-									
Poop Side Plating	-	-	-	-									
Bridge Side Plating	-	-	-	-									
Forecastle Side Plating	-	-	9	-	✓								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— Shelter Closed condition: 4
Extending to Upper Deck (Sec. 3 c) Open condition: 3 5 ✓
" Deck next below 5 ✓
As per Rule 5 ✓

FORGINGS AND CASTINGS

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Rolled plate	✓	
STEM	Boss <i>4</i>	F.S. Ø 100	Motala Verkstad	
STERN FRAME	Propeller Post	CS	appr. Smedjebacken	
	Sole piece <i>4</i>	CS	"	✓
	Rudder "		"	✓
Speed of Vessel		14.5 knots	✓	
RUDDER—Type		Ordinary	✓	
"	A × D. x. 100	584		
"	Diam. of head <i>4</i>	F.S. Ø 258	mm. Bofors	
"	Mainpiece at top <i>4</i>	F.S. Ø 200	mm. Bofors	
"	--- " --- heel	(222 at BEARINGS)		
"	how constructed	Welded	✓	
"	double or single plate	Double	✓	
	coupling, vertical or	Horizontal	✓	
	horizontal			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
Fr. 78	MIDSHIP BULKH'D, Upper 'tween decks	6.5/7	75x90x7 T	750	-	-
	" " "		65x90x7 I	690	-	-
Fr. 35	" " Second "	6.5/7 ✓	75x100x7 T	740 ✓	-	-
	" " "		65x90x7 I	690 ✓	-	-
Fr. 35/36	" " Third (Hold) "	7.5/10	90x180x10 T	✓	-	-
	" " "		90x200x10	635 ✓	-	-
Fr. 76 & 81	" " Holds	7.5/ ✓	75x130x8 T	625 ✓	One stringer	as approved ✓
	" " "	9.5	75x130x8	5T690 ✓	as approved	✓
Fr. 125/127	COLLISION " (in Hold)	8/12 ✓	75x100x10 T	✓	One stringer	as approved ✓
	" " "		90x150x10 T	610	as approved	✓
Fr. 8/1	AFTER PEAK " "	6.5/ ✓	75x65x8 T	700 ✓	FLAT ON FORE SIDE	-
	" " "	12.5	75x120x9 T	750 ✓	-	-

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) ☒ Open hearth or electric furnace ☐
Norrbottnens Järnverk, S.A. des Usines Gilson, Klöckner-Mannstaedtwerke, Ruhrstahl AG, Heinrichshütte,
Domnarfvets Jernverk, Charleroi, Oesterreichisch-Alpine Montangesellschaft, Donawitz, Kawasaki Steel Corp.
 Has the Steel been tested as required by the Rules? Yes. ☒ ☐

EQUIPMENT No. 2237 (24080) ✓

LETTER U ✓

ANCHORS.

3 B

No. of date.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
1st Bower	42	1	18	✓	37	10	0	0	✓	2195	✓	Hall's type C.S. and shank. head	Brown, Lenox & Co. ✓	J.W. Dovey 12.8.57
2nd "	42	2	14	✓	37	11	3	14	✓	2195	✓	✓	✓	✓
3rd "	43	0	14	✓	37	19	1	14	✓	2195	✓	Stockless	✓	✓
Collective weight	128	0	18	✓	29	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stream														

CHAIN CABLES.

HAWERS AND WARPS.

No. of date.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.						
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.					
	Fathoms II	Ins.	Fms.	Ins.	Cwt. Lbs.	Lbs.	Fms.	Ins.					Fathoms II	Ins.	Tons.	Fathoms II.	Ins.					
426	✓	1 1/16	✓	✓	20715	✓	19379	✓	495	✓	1 1/16	✓	210	✓	4 1/2	✓	43.6	200	✓	4 1/2	✓	6x12
72898	✓		✓	✓	102108	✓			Steel	Bruks AB	27.8.57	✓	HAWSEYS & WARPS }	3x195	2 3/4	15.9	3x185	2.3/4	✓	✓	6x12	
		Cir.							Stud	Ramnäs	Leon Ljunge											
stream or Wire									Link		Lon. cert. 9.9.57.											

Hand pump and
Steering Gear, Type (Power or hand) Electro - hydraulic power ✓ Alternative Means of Steering double piping ✓
1 rowing aluminium 24' ✓
Boats 1 motor " 24' ✓
Steering Chains (Size and Test) - Windlass Electric ✓
2" x 5" wood, 230 mm. sp.
Rigging in Holds, thickness and material 2 1/2" wood ✓ Cargo Battens, thickness, material and spacing -

Waterways. (Upper Deck) 4 in No. ✓ Thickness of Hatches 60 mm. ✓

Waterways No. 1 (Fwd.) 10800 x 7500 No. 2 10800 x 7500 No. 3 10800 x 7500 No. 4 10800 x 7500 No. 5 - No. 6 -

Shifting Beams } 6 ✓ 6 ✓ 6 ✓ 6 ✓
Fore and Afters }

Builder's Signature

A.B. NORRKÖPINGS VARV & VERKSTAD
NORRKÖPING

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel -
whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No The positions in which oil is carried as fuel or cargo should
be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built under Special Survey in conformity with the Society's Rules and Regulations
and Secretary's letters. The scantlings and arrangements of the vessel are as given in the report and as shown and
on the approved plans now forwarded. All modifications or additions to the original approved arrangements
of construction have been indicated on the plans and have been approved as being in accordance with or by
as equivalent to, the Rule requirements. The plans of midship section and longitudinal section and decks
of the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order.
The quality of the workmanship is good. Tanks, decks, waterways and bulkheads have been tested in accordance
with the Society's Rules and Regulations and the steering arrangements and windlass tested under working conditions
with satisfactory results.

Oil fuel (flash point above 65.5°C) is carried in double bottom centre tanks Nos. 3, 4 and 5 (p & s) and
6 (p & s) and the remaining requirements of Section of the Rules 1955 have been complied with where applicable.

The amount of Entry Fee 26/6 19 58 Fees applied for,
Special Survey Fee Kr 11.620:- Received by me,
Travelling Expenses, if any Kr 2.790:- 19

(Special notations, where part of class, to be stated.)
"Strengthened for navigation in ice".

I am of opinion the Vessel should be Classed +100A1
with date of Docking Survey 4.5.58

State whether the Vessel has been built under Special Survey Yes ✓

Signature Henrichsen
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Stockholm Office. Date of issue 24/9/58

Committee's Minute

TUESDAY 19 AUG 1958

Character assigned

+100A1

DS 4.58

Str. Nav. Ice

thmc

LACP

ES 4.58

Oil Eng

Ch

Wrote

Ack Skm

NOTED FOR
POSTING 734

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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a La the Plans should be embodied.)

Mild steel complying with paragraph P403 of the Rules.

The extent of P403-steel is indicated on the plan:- "Long. section and plans". The relevant mill sheets a forwarded herewith. ✓

As built plans forwarded under separate cover.

"Midship Section"

"Long. Section and plans". ✓

Approved plans forwarded under separate cover.

"Midship Section"

"Long. section and plans"

"Shell expansion"

"Fore peak"

"Aft peak"

"Transverse bulkheads"

"Shell expansion, welding plan"

"Pillars in engine room"

"Gusset plates"

"Conn. of longitudinals to hatch and beam"

"Bulkhead fr. 78"

"Main deck"

"Double bottom in engine room"

"Stern frame"

Welded solepiece"

"Rudder head and rudder bearings"

"Rudder box"

"Rudder"

"Tonnage hatch on shelter deck"

"Cover for tonnage opening fr. 78"

"Derrick posts"

"Mast house"

"Hatch beams"

"Rolling hatch beams" ✓

RISE OF FLOOR 4"

PARTICULARS OF ELECTRIC WELDING (if employed) Wholly electrically welded (except riveted stringer angle). ✓
Electrodes of approved type have been used.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Str. Nav. Ice, Long. fr. at btm & upper dk, E.W., ESD, GC, RDR,

DF, Mch. aft, 2 dks, 4 BH, SF bd. 5'-11"

Corr. draught 21'-6½"

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. 45

State } Maker Decca
Name } and/or
of } Supplier

Particulars of Drop Test of
Cast Steel Anchors, viz. :—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower	Head: 26 - 0 - 14 ¼, JVN, A 1150 6 & 13.11.56	Shank: 13-0-22, JVN, A1185, 13 & 31.12
2nd "	26 - 2 - 12 ¼, JVN, A 1149 6 & 13.11.56	13-2-16, JVN, A1156, 8 & 13.11
3rd "	26 - 3 - 14 ¼, JVN, A 1152 6 & 13.11.56	13-2-0, JVN, A1186, 13 & 31.12

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 39 ft
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 9824 Signal Letters SMRA Extreme Breadth over Belting 47'-4" Over-all Length 335'-½"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks Two steel decks

Parts of Bottom of Vessel coated with cement or approved composition

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, No. 5 wings (p & s)	Feet	Tons	Fore peak tank,	Feet	Tons
Double bottom, under Engines and Boilers, No. 4 wings (p & s)	a	27.0	After peak tank,		105.1
Double bottom, if under Engines only, No. 3 wings (p & s)	a	35.3	Deep tank, aft, amidships PS		138.5
Double bottom, if under Boilers only, No. 2 (p & s)	a	28.3	Deep tank, forward, amidships SS		138.5
Double bottom, forward, No. 1		38.6	Other tanks, if fitted,		277
Total length (if continuous) and Capacity		53.3	(If necessary furnish further information by sketch.)		
		182.5			

Order for Special Survey No. 110

Date 11.9.56.

Dates of Surveys held while building

1957. May 21, 25, June 4, 17, 20, 25, July 1, 5, Aug. 7, 12, 16, 22, 29, Sep. 11, 19, 21, 23,
Oct. 1, 4, 9, 10, 22, 25, 28, Nov. 5, 6, 15, 18, 26, 29, Dec. 2, 4, 14,
1958. Jan. 13, 28, 31, Febr. 5, 7, 12, 14, 17, 19, 21, 27, Mar. 3, 5, 10, 12, 17, 19, 21, 22, 25, 27,
29, April 1, 9, 10,

Total No. of Visits 58.

"CECILIA FALKLAND"

PARTICULARS OF LONGITUDINAL FRAMING

FRAMING		AMIDSHIPS			ENDS			Any Departure from Approved Plans to be Noted.	RIVETING						
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.		
of L, L or C		mm.	mm.	mm.	mm.	mm.	mm.		Ins.	Ins.			Inches.		Inches.
in Bridge 'tween Decks ...															
✓ from Uppermost Continuous															
No. 1															
" 2															
" 3															
" 4															
" 5															
" 6															
" 7															
" 8															
" 9															
" 10															
" 11															
" 12															
" 13															
" 14															
" 15															
" 16															
acing of Longitudinal Frames		Amidships			At Ends										
Tank Top Longitudinals		150	90	11	150	90	11								
Bottom		180	90	9.5	180	90	9.5								
of Longitudinals		Amidships			At ends...										
		837	✓		837	✓									
Transverses.															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
" " Back Bars															
Brackets															
acing of Transverse Frames...															
* State if joggled or liners.															
		Forward end only						Spacing.							
								mm							
inal								750							
s of								690							
or - C															
Bridge Deck...								In line with hatches							
Upper "		130	75	9	130	75	9	Elsewhere							
Second "															
Third "															

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

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