

## STEEL STEAMER MOTORSHIP

Received at London Of

DISCLOSED SECTION

State if Report has been sent on the Freeboard of the Vessel. Yes

State if Report is sent on the Machinery of the Vessel. Yes

Date of completion of report 11th December, 1952.

Port of Stockholm.

No. 8912.

Survey held at Norrköping

Date First Survey 10.9.1951

Last Survey 7.11.

19 52.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw m/t "NARVA" (Machinery fitted Aft)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling

State Type of Erections Ecile, Trunk, Poop

British measurements

TONNAGE under Tonnage Deck 744

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage 1147

Register Tonnage 517

## REGISTERED DIMENSIONS.

FEET

Length 215,5

Breadth 34,0

Depth 15,1

CLASS +100A1

State if with freeboard as condition of Class

Carrying petroleum in bulk CL aft

Length from fore part of stem to after part of stern

Rudder stock on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded) B 34'-0"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

1st Longitudinal Number (L x D) = 3025

2nd Numeral L x (B + D) = 9961

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

Do. Long Bridge to top of keel

Draught Moulded 13'-11 1/2"

Built at Norrköping

Launched 2.2.1952

Yard No. 138

Builders A/B Norrköpings Varv &amp; Verkstad

Owners U.S.S.R.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry TALLINN.

If surveyed while building, afloat, or in dry dock

While building, afloat, on slipway.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm. IN SHIP.	Any Departure from Approved Plans to be Noted.	mm. IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	572		Bracket Floors, Frame	
" " " from 1/2 length amidships to Collision bulkhead	580		" " Reversed Frame	
" " " in peaks	580		" " Vertical Struts	1200/900 9.5
SIDE FRAMING.			Centre Girder, depth and thickness amidships	welded construction
Frame Amidships, Angle, E or F	150 75 8		" " top Angles	
" " Extends up to	Main deck		" " bottom Angles	
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	one
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	
Depth of Framing Girder	-		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [	-		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	
" " Second 'tween Decks, Angle, [ or [	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	
" " from 1/2 len. for'd. to 15% len. from Stem Angle fore peak	150 75 8		Tank Side Brackets, height above base line at toe of Frame and thickness	
" " in Peaks, Angle or F aft peak	130 65 8			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	100 75 8		INNER BOTTOM PLATING.	
State if Frame Joggled	-		Breadth and thickness of Middle Line Strake	-
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds ER	9
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	Yes
SINGLE BOTTOM. in Cargo tanks			BEAMS.	
Floors, Depth and thickness at mid-line in Holds	-		Uppermost Continuous Deck, amidships in Walls, Angle, E or F	100 75 8
Height of Brackets at side above base line at toe of frame	-		" " in way of Bridge, Angle, [ or [	-
Middle Line Keelson, on Floors, Angles, [ or [	cont bulkhead		Spacing	572
" " Through Plate or Inter-costal Plate	-		Trunk	
" " Foundation Plate on Floors	-		Second Deck, amidships, Angle, E or F	100 75 8
" " Flat Plate Keel Angles	-		Spacing	572
Side Keelsons, No. each side	one		Third Deck, amidships, Angle, [ or [	-
" " thickness of Inter-costal Plate	10		Spacing	-
" " Angles top bar	300 32		Fourth Deck, amidships, Angle, [ or [	-
DOUBLE BOTTOM. in E.R.	9,5/7,5 every frame		Spacing	-
Solid Floors, thickness and spacing	7,5 every frame		Poop Deck, Angle, E or F	100 65 8
" " Are Frame and Reversed Frame joggled?	welded construction		Spacing	580
Bracket Floors, breadth and thickness at middle line	-		Bridge Deck, Angle, [ or [	-
" " breadth and thickness at margin plate	-		Spacing	-
			Forecastle Deck, Angle, [ or [	100 75 8
			Spacing	580

04197-011206-0038 1/2

DISCLOSED SECTION

No. 786

R

© 2021

Lloyd's Register Foundation



	mm. Inches IN SHIP.	Any Departure from Approved Plans to be Noted.		mm. Inches IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows</b> .....	-				
" in 'tween Decks, Size and Spacing .....	-				
" " " " " " .....	-				
" in Holds " " " " .....	-				
" " " " " " .....	-				
<b>Centre Line Bulkhead.</b> Stiffeners and Spacing .....	150x75x8	572 ✓			
Plating, thickness of .....	8.5	✓			
<b>STRINGERS AND DECKS.</b> <b>Uppermost Continuous Deck.</b> amidships Stringer Plate, breadth and thickness in Wells .....	2620	9.5 ✓			
" " " " " in way of Bridge .....	-				
" Angle in Wells .....	welded	✓			
Thickness of Plating abreast Deck openings in way of Wells .....	-				
Thickness of Plating abreast Deck openings in way of Bridge .....	-				
Thickness of Plating within line of openings...	-				
If Sheathed, material and thickness .....	-				
<b>Trunk</b> <b>Second Deck.</b> Stringer Plate, breadth and thickness in Wells .....	8	✓			
			Stringer Plate, breadth and thickness in way of Bridge .....	-	
			Thickness of Plating abreast Deck openings in way of Wells .....	12 ✓	
			Thickness of Plating abreast Deck openings in way of Bridge .....	-	
			Thickness of Plating within line of openings...	-	
			If Sheathed, material and thickness .....	-	
			<b>Third Deck.</b> Stringer Plate, breadth and thickness .....	-	
			If Plated, state thickness .....	-	
			<b>Fourth Deck.</b> Stringer Plate, breadth and thickness .....	-	
			If Plated, state thickness .....	-	
			<b>Poop Deck.</b> Stringer Plate, breadth and thickness .....	1630	6.5 ✓
			Plating, Sheathing, material and thickness ...	6.5	wood 2 1/2 ✓
			<b>Bridge Deck.</b> Stringer Plate, breadth and thickness .....	-	
			Plating, Sheathing, material and thickness ...	-	
			<b>Forecastle Deck.</b> Stringer Plate, breadth and thickness .....	-	
			Plating, Sheathing, material and thickness ...	7.5	✓

SCANTLINGS. in mm.				RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.			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.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	1020	14.5	14	14.5								
Boss plate												
„ Dblg. (if any)				10								
Bottom Plating, No. of Strakes .....		10.5	15	12/9								
Bilge Plating, No. of Strakes .....		10.5	15	9.5								
Side Plating, No. of Strakes .....	1500	10.5	15	8.5								
Upper Deck, Sheer-strake in Wells.....	1420	10.5	10.5	8.5								
Upper Deck, Sheer-strake in Bridge ...		-										
strake below Sheer-strake in Wells.....		-										
strake below Sheer-strake in Bridge ...		-										
oop Side Plating.....				6.5								
ridge Side Plating.....		-										
orecastle Side Plating			7									

Total No. of W.T. BULKHEADS in Vessel=		9 ✓		8 forward	
Extending to Upper Deck (Sec. 3 c)		9 ✓		8 forward	
" Deck next below		-			
As per Rule		9 ✓			
		STIFFENERS.			
Plating Thickness.	VERTICAL.		HORIZONTAL.		
	Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second "					
" " Third "					
" " Hold, Tanks.....	9 ✓	130x65x8	640 ✓		
COLLISION " (in Hold) fr. 92	10/8	130x65x8	610	Stringers I&II and deep tank top	
AFTER PEAK " " fr. 5	9/7.5	100x75x8	610	100x10 flat bar	

		Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	.....	plate keel			
STEM	.....	forged	100	Dorman	Long & Co.
STERN FRAME	Propeller Post ✓	cast	as per plan	Hüttenwerke	Hörde
	Rudder Head ✓	forged	as per plan	Kohlswa	Jernverk
Speed of Vessel	.....	11 knots			
RUDDER—Type	.....	streamline			
" A × D. x 100	.....	238 m' x m.			
" Diam. of head	.....	154 mm.			
" Mainpiece at top pintle	.....	welded construction			
" " heel	.....				
" how constructed	.....	as per plan			
" double or single plate coupling, vertical or horizontal	.....	double 9 mm. plating			
"	.....	horizontal			

STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	
		Britannia Works, Cockerill Griseignée, Henrickshütte Hattingen Ruhr, Dommarfvets Jernverk, Hüttenwerke Hörde	
		AG, Redcar Steelworks. Open Hearth Process.	
		Has the Steel been tested as required by the Rules? Yes.	

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53. Cwts.	Description of Anchor.	Makers.	Where and when tested, and Superintended by.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
12710	1st Bower ...	23	3	0	Stockless			23	13	3	0	23:1:0	Hall's Type	I. Preston	LPHCH 29.4.52 Phillips
12708	2nd „ ...	22	1	0	"			22	11	1	0	23:1:0	" "	"	ditto
12709	3rd „ ...	22	1	0	"			22	11	1	0	23:1:0	" "	"	ditto
	Collective weight	68	1	0								66:3:0			ditto
12711	Stream .....	6	1	0	1	2	19	8	10	0	0	6:0:0	Ordinary Pattern	I. Preston	LPHCH 29.4.52 Phillips

Number of Certificate.	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. Fathoms m.	Diam. Ins.	Sta- tionary	Break- ing	Supplied.	Per Rule. Cwts.	Length. Fathoms m.	Diam. Ins.					Length. Fathoms m.	Cir.		Length. Fathoms	Cir. Ins.	Length. Fathoms	Cir. Ins.
5525	387	1 16			1184 l kgs	11320 kgs	385	7 16	Mild Steel Stud Link	Järnbirger, M.W. 25.6.52 SW		TOWLINE	90	3 4	39.9	90	1 4		
					37719 lbs	56515 kgs.						HAWERS & WARPS }	90	2 1	13.2	90	2 1		
	F 60	3 1	Cir.	Tons			F 60	(1) 3 1	Orsa.			"	90	3 1	8.8	90	3 1		
												"							
												"							

Steering Gear, Type (Power or hand) Donkin electro hydraulic Separately piped  
Alternative Means of Steering Hydraulic hand steering

Steering Chains (Size and Test) - type A6  
Windlass Helsingborgs Varv Boats 2x7x2.3x0.885=8.55 m  
30 men

Dry Cargo  
Ceiling in Hold, thickness and material 2 1/2" wood on 1" battens  
Cargo Hatchways, thickness, material and spacing -

To oil cargo tanks:- Steel 515 mm. above trunk  
To dry cargo hold:- Steel 815 mm. above deck  
Thickness of Hatches Steel 12 mm " to tanks  
Steel 12 mm " dry cargo hold

all to oil tanks To dry cargo hold  
Size of Hatchways No. 1 (Fwd.) 1650x 790 mm No. 2 1155 x 2000 No. 3  
No. 4 No. 5 No. 6

Number of Shifting Beams }  
and/or Fore and Afters } To dry cargo hold:- steel cover stiffened by three longitudinal frames 90x7 flat bar welded to cover.

**GENERAL 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. Motorship  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. oil tanker 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 ship 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 ship are as given in the report and as shown and amended on the approved plans. The plans of Midship Section, and Profile and Decks, and Shell expansion showing the ship as built, now forwarded herewith have been checked with the approved arrangements and found in order. Approved plans will be forwarded with the report at the latest of the sister vessels, Yard No. 140. The materials and workmanship are good. The tanks, cofferdams, decks and bulkheads and W.T. doors have been tested in accordance with the Rules and the Requirements of Section 10 of the Rules 1950 have been complied with where applicable. The ship is constructed to carry petroleum in bulk and fuel oil in wing tanks in E.R. forward and in double bottom tanks in E.R. Flash point above 150° F and the Requirements of Section 20 of the Rules 1950 have been complied with. Lubricating oil is carried in double bottom tanks in E.R. The steering arrangements and the windlass have been tested satisfactorily under working conditions. The freeboards have been verified and marks cut in on the vessel's sides. Alignment of keel was measured before launching and found good. Last undocking date 10th Nov. 1952.

Freeb.	Fees applied for,	
The amount of Entry Fee.....Krf 360:--	1/3 1952	(Special notations, where part of class, to be stated.)
Special Survey Fee.....Krf 6.420:--	Received by me,	
Late Fee Kr. 60:--		
Travelling Expenses, if any .....Krf 1.130:40		19
State whether the Vessel has been built under Special Survey..... Yes		I am of opinion the Vessel should be Classed +100A1
Certificate to be sent to / Stockholm Office.		Carrying Petroleum in bulk
Committee's Minute	Date of issue 12/53	Signature H.O. Allanson
Character assigned	FRI 9 JAN 1953	Surveyor to Lloyd's Register of Shipping.
+100A1 Carrying Petroleum in bulk		

Character assigned +100A1 "Carrying Petroleum in bulk"  
11,52 Norrköping Strengthened for navigation in ice  
Lloyd's A+C/P +LMC 11,52 Oil Eng.  
OB  
DIB 178/16.  
(with torsional endorsement)



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 List of the Plans should be embodied.)

As built plans now forwarded:- Midship Section, Longitudinal Section, Shell expansion.

Approved plans now forwarded:- Midship Section, Longitudinal Section, Shell expansion, Rudder, Stern post, Frames and Beam knees, Forepeak, After peak, Double bottom, W.T. and O.T. Transverse Bulkheads, Longitudinal Bulkhead and Girders in Cargo. Tanks, Wingtanks, Web frames and Boiler Platform, Engine and Boiler Casing, Main deck, Forecastle and Poop deck and 'tween deck bulkheads, Deckhouse on Poop deck, Rudder head, 3" sea connection, Mast.

Sister vessels:- "ISHIM", Skm. Report No. 8072  
"IRTISH", " " " 8470  
"SUNGARI", " " " 8670

PARTICULARS OF ELECTRIC WELDING (if employed) Hull all welded. (Engine and Boiler casing and deckhouse on Poop, plating and stiffeners riveted).

Electrodes:- ESAB, OK 48, OK Rapid.  
Philips C 18.

SPECIAL NOTATIONS:- Either as part of the vessel's class or for record in the Register Book  
Electrically welded, Cruiser stern, Strengthened for navigation in ice  
Echo sounding device.

RADAR Equipment (State if fitted).....  
State Type or Pattern No.....  
State } Maker.....  
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 14.1.6	RL 4195	7.2.52	15'	Shank forged
2nd "	" 13.0.16	RL 4181	29.11.51	15'	" "
3rd "	" 13.0.8	RL 4184	29.11.51	15'	" "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 60' ft., R.Q.D. — ft., Bridge — ft., Forecastle 30' 3 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. — Signal Letters — Extreme Breadth over Belting — Over-all Length 224' 7  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One deck, steel

Parts of Bottom of Vessel coated with cement or approved composition Slushing oil in fore and aft peaks and deep tank.

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		53.2
Double bottom, under Engines and Boilers,			After peak tank,		31.6
Double bottom, if under Engines only, frs. 8-29	40 41	43.0	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, frs. 94-99	9.5	11.7
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	40 41	43.0	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 47

Date 9/3-50.

Dates of Surveys held while building

1951:- Sep. 10, 20, 27. Oct. 1, 8, 23. Nov. 8, 15. Dec. 6, 18, 20, 22.  
1952:- Jan. 10, 14, 17, 22, 29. Feb. 2, 25, 28. Mar. 4, 7, 13. April 7.  
Aug. 5, 8, 15, 28. Sep. 16, 18, 19. Nov. 7.

Total No. of Visits 32.

For S.S.O.F. see main ship Irtish. yd No. 136.