

Rpt. 1

FROM ACCTS.	3
FROM ADMIN/F	6/3
PLANS D.	12/3
CERTS. RECD.	12/3
TO RITS. DEPT.	17/3

STEEL STEAMER OR MOTORSHIP.

Received at Leningrad

1959

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

24.2.1959.

Port of Stockholm

No. 11907

Survey held at Gävle

DISCLOSED

Date First Survey 25/10 1957

DISCLOSED

Last Survey 22/12

1958.

On the (State if Machinery fixed Aft and if Single, Twin or Triple Screw)

Twin SECTION Motorship "PAMIR"

No. 744

No. 744

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

Full scantling

State Type of Erections Long Forecastle

TONNAGE under Tonnage Deck

CLASS +100A1

State if with freeboard as condition of Class

Built at Gävle

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 71.80

Launched 24.6.1958

Yard No. 99

Breadth (greatest moulded)

B 12.50

Builders A/B Gävle Varv

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

D 5.20

Owners U.S.S.R.

1st Longitudinal Number (L x D)

=

Managers

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D)

=

Residence

STERED DIMENSIONS. FEET

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

=

Port of Registry Leningrad and

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

=

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel

=

Draught Moulded

4.00

FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm	INCHES	IN SHIP.	Any Departure from Approved Plans to be Noted.		mm	INCHES	IN SHIP.	Any Departure from Approved Plans to be Noted.
MES, Spacing amidships	625	✓			Bracket Floors, Frame	-			
" " from 1/2 length amidships to Collision bulkhead	625	✓			" " Reversed Frame	-			
" " in peaks	600	✓			" " Vertical Struts	-			
FRAMING.					Centre Girder, depth and thickness amidships	1150 11.5	✓		
Same Amidships, Angle, [or] See also Rpt. 1 attached ✓					" " top Angles	EW	✓		
" " Extends up to	-				" " bottom Angles	EW	✓		
Reversed Frame Amidships, Angle	-				Side Girders, No. each side and thickness	-			
" " Extends up to	-				Margin Plate depth (excl. of flange) and thickness	Tank top level	✓		
Depth of Framing Girder	-				" " Vertical Angle to Tank side	-			
Frames in Forecastle					" " Bracket abaft 1/2 len. from stem	-			
Uppermost Continuous Deck, Angle, [or]	130 65 8	✓			" " Vertical Angle to Tank side	-			
Second 'tween Decks, Angle, [or]	-				" " Bracket from forward 1/2 len. from stem to Panting Area	-			
Third " " " "	-				" " Gussets, spacing and scantling abaft 1/2 len. from stem	-			
from 1/2 len. for'd. to 15% len. from Stem	130 65 8	✓			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-			
in Peaks, Angle [or]	100 65 10	✓			Tank Side Brackets, height above base line at toe of Frame and thickness	-			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	-				INNER BOTTOM PLATING.				
State if Frame Joggled	No	✓			Breadth and thickness of Middle Line Strake	10	✓		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓			Thickness of remainder in Holds	7.5/10	✓		
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. and S. space and framing in Bottoms and Bottom Rooms	Yes	✓		
DOUBLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds	-				Uppermost Continuous Deck, amidships in way of Bridge, Angle, [or]	89 76 6.5	✓		
Height of Brackets at side above base line at toe of frame	-				" " Spacing	625	✓		
Middle Line Keelson, on Floors, Angles, [or]	-				Second Deck, amidships, Angle, [or]	-			
" " Through Plate or Intercoastal Plate	-				" " Spacing	-			
" " Foundation Plate on Floors	-				Third Deck, amidships, Angle, [or]	-			
" " Flat Plate Keel Angles	-				" " Spacing	-			
Side Keelsons, No. each side	-				Fourth Deck, amidships, Angle, [or]	-			
" " thickness of Intercoastal Plate	-				" " Spacing	-			
" " Angles	-				Poop Deck, Angle, [or]	-			
DOUBLE BOTTOM.					" " Spacing	-			
Solid Floors, thickness and spacing	8 625	✓			Bridge Deck, Angle, [or]	-			
" " Are Frame and Reversed Frame joggled?	EW	✓			" " Spacing	-			
Bracket Floors, breadth and thickness at middle line	-				Forecastle Deck, Angle, [or]	127 76 8	✓		
" " breadth and thickness at margin plate	-				" " Spacing	625	✓		

PILLARS AND DECKS.

		mm INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows		-				Stringer Plate, breadth and thickness in way of Bridge		-	
" in 'tween Decks, Size and Spacing		-				Thickness of Plating abreast Deck openings in way of Wells		-	
" " " " "		-				Thickness of Plating abreast Deck openings in way of Bridge.....		-	
" in Holds " " "		-				Thickness of Plating within line of openings...		-	
" " " " "		-				If Sheathed, material and thickness.....		-	
Centre Line Bulkhead, frames 69-91		115	65	7 1/2	spac 625 ✓	Third Deck.			
Stiffeners and Spacing frames...6-20.....		65	65	6 1/2	spac 1250 ✓	Stringer Plate, breadth and thickness.....		-	
Plating, thickness of		-				If Plated, state thickness		-	
STRINGERS AND DECKS.						Fourth Deck.			
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....		-	
Stringer Plate, breadth and thickness in Wells		2000	14	✓		If Plated, state thickness.....		-	
" " " " in way of Bridge		-				Poop Deck.			
" Angle in Wells		EW	✓			Stringer Plate, breadth and thickness.....		-	
E.C.						Plating, Sheathing, material and thickness ...		-	
Thickness of Plating abreast Deck openings in way of Wells		12/8.5	✓			Bridge Deck.			
Thickness of Plating abreast Deck openings in way of Bridge		8.5/6.5	✓			Stringer Plate, breadth and thickness.....		-	
Thickness of Plating within line of openings...		-				Plating, Sheathing, material and thickness ...		-	
If Sheathed, material and thickness.....		Semprene, 8,	fr 38-55	✓		Forecastle Deck.			
Second Deck.						Stringer Plate, breadth and thickness.....		760 8.5	✓
Stringer Plate, breadth and thickness in Wells		-				Plating, Sheathing, material and thickness...		8.5/7.5	Semprene, 8

SHELL PLATING.

SCANTLINGS. mm					RIVETING.							
STRAKES.	AS IN VESSEL				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPE LAPS.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
Flat Plate Keel.....	1200	14 ✓	17.5 ✓	14 ✓								
„ Dblg. (if any)		-	-	-								
Bottom Plating, No. of Strakes A, B, C.....		12.5 ✓	17.5 ✓	11 ✓								
Bilge Plating, No. of Strakes D.....		12.5 ✓	17.5 ✓	11 ✓								
Side Plating, No. of Strakes E.....		10.5 ✓	17.5 ✓	11 ✓								
Upper Deck, Sheer-strake in Wells, F.....	1650	20 ✓	10 ✓	9.5 ✓								
Upper Deck, Sheer-strake in Bridge ...		-	-	-								
Strake below Sheer-strake in Wells		-	-	-								
Strake below Sheer-strake in Bridge ...		-	-	-								
Poop Side Plating...G....		-	-	8 ✓								
Bridge Side Plating.....		-	-	-								
G, H Forecastle Side Plating		13 ✓	9.5 ✓	-								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	7
Fcle deck	
Extending to Upper Deck (Sec. 3 c)	1 ✓
Main	
Deck next below	6 ✓
As per Rule	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Dev. from App. Plans to b
KEEL, Bar	Plate	keel ✓		
STEM X plating 17.5/15...	Cast	As per plan	Smedjebacke	
STERN X { Propeller Post	Cast	"	Kolsva ✓	ing St
FRAME X { Rudder head	Forged	"	Björneborg	
shaft	Forged	"	Björneborg	
Speed of Vessel	17.5 knots	✓		na
RUDDER—Type	Streamline	✓		ol
" A × D. x 100	485	✓		
" X Diam. of head	243	✓		
" Mainpiece at top pintle)	EW	✓		
" " heel)				
" how constructed	As per plan	✓		
" double or single plate	Double 10 mm	✓		
coupling, vertical or	Vertical	✓		
horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	frame 54			825 x		
MIDSHIP BULKH'D,	Top x transverse decks	8/7.5 ✓	Corrugated	250	✓	-
"	Second	"				
"	Third	"				
"	Holds					
COLLISION	(in Hold)	7.5/9 ✓	corrugated	610 x 120	✓	stringer and tank deck ✓
AFTER PEAK		7.5/21 ✓	130x65x8	760	✓	tank top ✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Donnarfjets Jernverk,
Norrbottnens Järnverk, South Durham Steel & Iron Co. Open Hearth or Electric Furnace Process. ✓

Has the Steel been tested as required by the Rules? Yes. ✓

Lloyd's Register
Foundation

TWIN SCREW MOTORSHIP "PAMIR"

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.	Rivets in Brackets to Bulkheads	
	mm	mm	mm	mm	mm	mm		Diam. Ins.	Speng. Ins.		Number.	Diameter Inches.
Edge 'tween Decks ... Uppermost Continuous												
No. 1	150	90	10	130	75	8	9 mm	EW	✓			
" 2	150	90	10	130	75	8		EW	✓			
" 3	150	90	10	130	75	8		EW	✓			
" 4	Stringer	✓		130	75	8		EW	✓			
" 5	150	90	10	150	90	10		EW	✓			
" 6	150	90	10	150	90	10		EW	✓			
" 7	150	90	10	150	90	10		EW	✓			
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
g of (Amidships	600	✓										
dinal fr. 6	600	✓										
ies At Ends fr. 102	630	✓										
Tank Top Longitudinals	-											
Bottom	225	90	10	225	90	10		EW	✓			
Longitudinals	Amidships	500/700	✓									
	At ends...	fr. 22 630	✓									
		fr. 102 450	✓									
Transverses.												
Depth and Thickness	-											
Face Angles	-											
Lugs to Shell	-											
Depth and Thickness	450	9	✓	300	8	✓	forward	EW				
Bar				275	8	✓	aft					
Face Angles	100	10	✓	100	10	✓	forward					
				100	10	✓	aft					
Lugs to Shell	Welded	✓		Welded	✓							
Depth and Thickness				1100	8	✓		EW				
Face Angles				90	10	✓						
Lugs to Shell	See Rpt. 1	✓		Welded to shell	✓							
" " Back Bars				and continued	✓							
Brackets				to T.T. and welded	✓							
g of Transverse Frames				to same and connected	✓							
State if joggled or liners.				to beam by welded bracket.	✓							
Bridge Deck												
Upper												
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.

EQUIPMENT No. 1443 ✓												LETTER 2 ✓				ANCHORS.	
Any Deger of approve. cate. be	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 55.		Description of Anchor.	Makers.	Where and when tested, and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.					
25	1st Bower	31	3	0	Stockless			29	18	3	0	31 3/8 ✓	Halls type	I. Preston	LPH-CH 25.3.58 Phillips		
33	2nd "	31	2	7 ✓	"			29	16	3	14 ✓	31 3/8 ✓	ditto	ditto	ditto		
4	3rd "	31	2	7 ✓	"			29	16	3	14 ✓	31 3/8 ✓	ditto	ditto	ditto		
	Collective weight																
6	Stream	8	0	8	2	0	4	10	5	0	0 ✓		Ordinary pattern	I. Preston	LPH-CH 25.3.58 Phillips		
HAWSERS AND WARPS.																	

CHAIN CABLES.										HAWSERS AND WARPS.													
No. of cable.	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.	Ths		Length.	Cir.						
	Length. m	Diam. mm	Statu- tory. kgs	Break- ing. kgs	Supplied. Cwts. X Lbs. X Kgs	Per Rule. Cwts.	Length. m	Diam. mm					Statu- tory. kgs	Break- ing. kgs		Length. m	Cir. mm	Length. m	Cir. mm	Length. m	Cir. mm		
15	661	36.5	✓	✓	19825	✓	440	36.5	✓	✓	Spec. steel stud link	Ramnäs	✓	M.W. 7.2.58.LL	TOWLINE	185	3.4	✓	31435	✓	185	29190	kg
	✓	52832	✓	✓	79146	✓		176	✓	✓	link				HAWSERS & WARPS	185	2.7	✓	12591	✓	185	11480	kg
		Cir.					Cir.																
eam or Wire																							

ing Gear, Type (Power ~~mechanical~~) Electric - hydraulic, Svendborg Alternative Means of Steering 2 motorboats 24' Light alloy

ing Chains (Size and Test) - Windlass Electric, Thrige Boats 1 towing boat 17' "

ly for stores)

s, thickness and material 3" wood or 1" battens Cargo Battens, thickness, material and spacing None

ys. (Upper Deck) Steel coamings, height 850, thickness 11 mm Thickness of Hatches 7/10 mm, steel

ays No. 1 (Fwd.) 2500x2000/1100 No. 2 1700x4200 No. 3 3575x4200 No. 4 No. 5 No. 6

ifting Beams }

and Afters }

Builder's Signature Sigvard Ingvarson

Aktiebolaget Gävle Varv

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

ther 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

ated, 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

etary's letters. The scantlings and arrangements of the ship 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

ing construction have been indicated on the plans and have been approved as being in accordance with, or by

s equivalent to, the Rule requirements. The plans of midship section and profile and decks showing the ship

, now forwarded herewith, have been checked with the approved arrangements and found in order.

The quality of the workmanship is good. Tanks, decks and waterways, bulkheads and W.T. doors have been

in accordance with the Society's Rules and Regulations and the steering arrangements and windlass have been

under working conditions with satisfactory results. Oil fuel is carried in deep tanks Nos. 3, 4, 5 and 10

and in D.B. tanks Nos. 6, 7 and 8 and the requirements of Section 20 of the Rules (1956) have been complied with

where applicable.

The freeboards have been verified and the marks cut in on the vessel's sides.

e amount of Entry Fee Kr.8.260:-- : : Fees applied for,

4 Special Survey Fee £ : : 24.2 1959

7.3.59 Travelling Expenses, if any Kr.5.000:-- 19

ate whether the Vessel has been built under Special Survey Yes

Received by me,

(Special notations, where part of class, to be stated.)

Part longitudinal framing at bottom and side shell,

Electrically welded, strengthened for nav. in ice.

I am of opinion the Vessel should be Classed +100A1

For towing services.

Signature H.O. Allerton

Surveyor to Lloyd's Register of Shipping.

rtificate to be sent to Stockholm Date of issue 17.4.59

ommittee's Minute FRIDAY 10 APR 1959

haracter assigned +100 A1

"Ing"

LACP

Strengthened for

navigation in ice.

Welded

Welded

+LME

ES

DBS

TS OG

12.58

Noted
for
Header

NOTED FOR
POSTING

700

THURSDAY - 7 MAY 1959

DS. 8.58

Lloyd's Register
Foundation

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 embodied.)

Approved plans now forwarded:— (1) Midship Section, (2) Longitudinal Section & Plans, (3) Rudder and Sternframe (4) Vertical rudder coupling, (5) Stern tubes, (6) A-brackets, (7) Shell expansion (8) Stem, (9) Aftership, (10) Fore ship, (11) Hatches on main and forecastle deck (12) After mast, (13) Shrouds.

As built plans now forwarded:— Midship Section, Longitudinal Section.

Forging and casting certificates attached.

Plan indicating the exact extent of P 403 forwarded herewith together with mill sheets.

Plan indicating Tank arrangement is attached.

Moulded dimensions:— 236'- 2.3/4" x 41'- 0 x 17' - 0.3/4".

Rise of floor:— 31.1/2". ✓ 235'-7"

A mushroom anchor fitted aft, cert No. 21252, weight 27:0:7, tested 8:16:1:24, LDHN 27.3.58 Murphy.

PARTICULARS OF ELECTRIC WELDING (if employed) Hull of all welded construction.

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

Gyr. Comp., E.S.D., SAL-Log, D.F., RDR.

Part longitudinal framing at bottom and side shell, Electrically welded, Strengthened for navigation in ice.

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. "NEPTUN"

State } Maker U.S.S.R.
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 18:3:26, ✓ JM, 4340, 20.2.58.

2nd " Head 18:3:14, ✓ JM, 4370, 6.3.58.

3rd " Head 18:3:14, ✓ JM, 4339, 20.2.58.

Shanks forged.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 165' Long

(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 42'.1 ✓ Over-all Length 256' ✓
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One deck steel. ✓

Parts of Bottom of Vessel coated with cement or approved composition F.P. No. 1 & 2 deep tanks, Nos. 11, 12 & 13 (fresh water) and cement washed.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:— (Comprising all tanks which may be used for Water Ballast. (Circ. 1284)

Please see attached plan. (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,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 111

Date 13/3 -57.

Dates of Surveys held while building

1957. Oct. 25, 29, Nov. 11, 13, 15, 26, 29, Dec. 2, 3, 4, 6, 10, 30.

1958. Jan. 3, 17, 21, 27, 29, Feb. 4, 7, 10, 13, 19, Mar. 5, 6, 11, 18, 21, 25, 28, 31.

April 3, 8, 9, 11, 15, 18, 22, 24, 26, May 6, 9, 13, 16, 20, 23, 27, 30, June 4, 6, 9, 23, 25, 30.

July 2, 4, 7, 9, 11, Aug. 5, 8, 11, 14, 20, 25, Sep. 5, 17, 19, 23, 26, 27, Oct. 6, 9, 13, 17, 27, 30.

Nov. 3, 7, 11, 18, 21, 24, 27, Dec. 5, 12, 22.

Total No. of Visits 88