

RECEIVED

5 SEP 1947

IN D.O.

STEEL STEAMER OR MOTORSHIP.

Received at London Office 18 SEP 1947

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 16/9/1947

Port of STOCKHOLM

No. 828A No. 6612

Survey held at Lidingö and Stockholm

Date First Survey 17th Sep., 1945

Last Survey 16th August,

1947.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw m/s "VATNAJÖKULL", Machinery fitted aft.

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

Full scantling

State Type of Erections Forecastle, R.Q.Dk., and Poop

TONNAGE under Tonnage Deck 573.80

CLASS * 100A1

State if with freeboard as condition of Class

Built at Lidingö

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) 184' - 2 1/4"

Launched 16th Oct., 1946

Yard No. 5

Total

Breadth (greatest moulded)

B 31' - 6"

Builders A/B Lidingöverken

Gross Tonnage 938.52

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

D 18' - 6"

Owners H/F Jökjar

Register Tonnage 465.97

1st Longitudinal Number (L x D) = 2671 sq. ft.

Managers

(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS. FEET

Length 188' - 1 3/4"

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

12' to main dk.

Residence Reykjavik

Breadth 31' - 6"

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

9.96

Port of Registry Reykjavik

Depth 13' - 0"

Do. Long Bridge to top of keel

-

If surveyed while building, afloat, or in dry dock

Draught Moulded 14' - 3/4"

While building, afloat and in dry dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP. m/m	Any Departure from Approved Plans to be Noted.		IN SHIP. m/m	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	560 ✓		Bracket Floors, Frame	100x75x8 ✓	
" " from 1/2 length amidships to Collision bulkhead	560 ✓		" " Reversed Frame	75x65x7 ✓	
" " in peaks	560 ✓		" " Vertical Struts	200x75x75x8.5/11.5 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	760 9.5 ✓	
Frame Amidships, 150x75x8.5 ✓			" " top Angles	Welded ✓	
" " Extends up to R.Q.Dk. ✓			" " bottom Angles	Welded ✓	
" " in way of upper deck 140x65x8 ✓			Side Girders, No. each side and thickness	---	
Reversed Frame Amidships, Angle	---		Margin Plate depth (excl. of flange) and thickness	630 8	
" " Extends up to	---		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded ✓	
Depth of Framing Girder	---		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Welded ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [---		" " Gussets, spacing and scantling abaft 1/4 len. from stem	75x10 flat bar	
" " Second 'tween Decks, Angle, [or [---		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	Every frame ✓	
" " Third " " " "	---		Tank Side Brackets, height above base line at toe of Frame and thickness	810 7.5 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	140x65x8 ✓		INNER BOTTOM PLATING.		
" " in Peaks, 135x75x9.5 ✓			Breadth and thickness of Middle Line Strake	Transv. 7.5 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	19 105 ✓		Thickness of remainder in Holds	-	
State if Frame Joggled	No. ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. 100% space	Yes ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		BEAMS. Upper and R.Q. amidships in	100x75x8 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Uppermost Continuous Deck, Angle, [or [---	
SINGLE BOTTOM.			" " in way of Bridge, Angle, [or [---	
Floors, Depth and thickness at mid-line in Holds	---		Spacing	560 ✓	
Height of Brackets at side above base line at toe of frame	---		Second Deck, amidships, Angle, [or [---	
Middle Line Keelson, on Floors, Angles, [or [---		Spacing	---	
" " Through Plate or Inter-costal Plate	---		Third Deck, amidships, Angle, [or [---	
" " Foundation Plate on Floors	---		Spacing	---	
" " Flat Plate Keel Angles	---		Fourth Deck, amidships, Angle, [or [---	
Side Keelsons, No. each side	---		Spacing	---	
" " thickness of Inter-costal Plate	---		Poop Deck, Angle, [or [100x75x8 L ✓ 140x65x8 ✓	
" " Angles	---		Spacing	560 ✓	
DOUBLE BOTTOM.			Bridge Deck, Angle, [or [---	
Solid Floors, thickness and spacing	7; every 4th frame		Spacing	140x65x8 ✓ 112x75x9 L ✓ 100x75x8 L ✓	
" " Are Frame and Reversed Frame joggled?	Welded ✓		Forecastle Deck, Angle, [or [---	
Bracket Floors, breadth and thickness at middle line	570 7 ✓		Spacing	560	
" " breadth and thickness at margin plate	570 7 ✓				

PILLARS AND DECKS.

IN SHIP. m/m		Any Departure from Approved Plans to be Noted.		IN SHIP. m/m		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows	One			Upper deck			
" in 'tween Decks, Size and Spacing	Widely			Stringer Plate, breadth and thickness in way of Bridge Poop	7.0	✓	
" " " " "	spaced as		✓	Thickness of Plating abreast Deck openings in way of Wells	--		
" in Holds " " " " "	approved plan			Thickness of Plating abreast Deck openings in way of Bridge Poop	7.0	✓	
" " " " " " " " " " "				Thickness of Plating within line of openings...			
Centre Line Bulkhead.				If Sheathed, material and thickness.....			
Stiffeners and Spacing	---			Third Deck.			
Plating, thickness of	---			Stringer Plate, breadth and thickness.....			
STRINGERS AND DECKS.				If Plated, state thickness			
Uppermost Continuous Deck.				Fourth Deck.			
Stringer Plate, breadth and thickness in Wells	1990	9.0	✓	Stringer Plate, breadth and thickness.....			
" " " " " at R.Q.Dk.	1990	8	✓	If Plated, state thickness.....			
" " " " " in way at Bridge				Poop Deck.			
" Angle in Wells	Welded		✓	Stringer Plate, breadth and thickness.....	1350/400; 7		
Thickness of Plating abreast Deck openings } in way of Wells	8		✓	Plating, Sheathing, material and thickness ...	7; 2. 1/2" wood		
Thickness of Plating abreast Deck openings } in way of Bridge R.Q.Dk.	8		✓	Bridge Deck.			
Thickness of Plating within line of openings...	---			Stringer Plate, breadth and thickness.....	---		
If Sheathed, material and thickness.....	---			Plating, Sheathing, material and thickness ...	---		
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	---			Stringer Plate, breadth and thickness.....			6.5
				Plating, Sheathing material and thickness	6.5	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.					
STRAKES.	AS IN VESSEL. m/m				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS. Diam. Spacing cr. to cr.	No. of Rows of Rivets.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.
Flat Plate Keel.....	1200	12 ✓	13 ✓	11 ✓						
„ Dblg. (if any)	-									
Bottom Plating, No. of Strakes 2.....		9.5 ✓	13 ✓	8.5 ✓						
Bilge Plating, No. of Strakes One.....		9 ✓	13 ✓	8.5 ✓						
Side Plating, No. of Strakes One.....		9 ✓	13 ✓	8.5 ✓						
Upper Deck, Sheer- strake in Wells.....	1550	13 ✓	8 ✓	-						
R.O. Deck Deck, Sheer- strake in Bridge	1220	10.5 ✓	-	-						
Strake below Sheer- strake in Wells.....		(side shell) ✓								
Strake below Sheer- strake in Bridge at R.O.Dk.	1550	9.5 ✓	-	8 ✓						
Poop Side Plating.....				14.0 ✓ -6.5 ✓						
Bridge Side Plating.....										
Forecastle Side Plating			6.5 ✓							

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	3 ✓
Extending to Upper Deck (Sec. 3 c).....	3 ✓
„ Deck next below.....	—
As per Rule.....	3 ✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scanlings. m/m	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Plate keel.			
STEM Upper part 9mm plate	Forged	90	Domnarvets Jernverk.	
STERN FRAME { Propeller Post Rudder " " }	Cast	As per appd. plan	Kohlswa Jernverk	
Speed of Vessel	12 knots.			
RUDDER—Type	Streamline			
" A x D	128 ft.	3		
" Diam. of head	Forged	168	Kohlswa Jernverk	
" Mainpiece at top pintle	Welded construction			
" " heel				
" how constructed		As per appd. plan		
" double or single plate coupling, vertical or horizontal	Double	11.0 m/m		
	Horizontal.			

STIFFENERS.

		Plating Thickness. m/m	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings. m/m	Spacing. m/m	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks					
"	" Second "					
"	" Third "					
"	" Holds Fr.. 27	7	135x75x9.5	635/725		
COLLISION	" (in Hold) Fr.. 91	7.5-9	135x75x9.5	610	Stringer DB	
AFTER PEAK	" Fr.. 5	7.5-10	100x75x8	610	Stringer 3050 above B.L.	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Domnarfjets Jernverk,
Degerfors Jernverk and Gutehoffnungshütte. Electric Furnace Process (Domnarfjet)
Open Hearth Process (Degerfors and Gutehoffnungshütte).
 Has the Steel been tested as required by the Rules? Yes. ✓

EQUIPMENT No. 9409 ft. ²				LETTER "k"		ANCHORS.		
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
1643	1st Bower	1005 kgs	Stockless	20859 kgs	965 kgs	Type "Kohlswa"	Kohlswa	Makers' Works
1642	2nd "	997 kgs	"	20719 kgs	965 kgs	"	Jernverks	15.8.1945
1645	3rd "	907 kgs	"	19199 kgs	825 kgs	"	A/B. Kolsva	Thorsten Bülow.
	Collective weight	2909 kgs			2755 kgs			
1640	Stream Appd.	234 kgs	65 kgs	7068 kgs	265 kgs	Ordinary stock	Ditto	Ditto but 17.10.1945.

CHAIN CABLES. See letter 29.10.47.										HAWSERS AND WARPS.							
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.	Diam.	Statically.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.
195	387 1/16	Ins. 5/16	31.5	47.2	9679 kgs	9230 kg	385 1.5/16	Ins. 5/16	Stud Link	Ramnäs Bruks AB, Ramnäs	Makers' Works 29.11.1945 S. Widén	TOWLINE	165	3	27.5	165	3
	met.						met.					HAWSERS & WARPS	165	2 1/4	8.14	165	2 1/4
													165	5	Hemp	165	5
Iron Stream Chain or Steel Wire	110	3.1/4	31.6				110	3.1/4									
	met.						met.										

Steering Gear, Type (Power or hand) Electric; ASEA ✓ Hand steering on top of poop deck house. ✓

Steering Control (Type and Test) --- Windlass Electric; ASEA 6.58x2.17x0.92 Boats 7.25x2.33x1.10 = 11.10 m³

Ceiling in Hatch (Thickness and material) Portable wood gratings 37x100 mm on insulation Cargo Battens, thickness, material and spacing 2" x 3" 9" on insulation

Cargo Hatchway (Upper Deck) Steel coaming 870 m/m high Thickness of Hatches 75 m/m

Size of Hatchway (No. 1 (Fwd.) 5600x3800 No. 2 5600x3800 No. 3 5600x3800 No. 4 5600x3800 No. 5 - No. 6 -

Number of Stanchion Beams Two at each hatch

A.-B. LIDINGÖVERKEN
Builder's Signature *[Signature]*

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 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 in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. The materials and workmanship are good. The tanks, decks, bulkheads, tunnel and Watertight doors have been tested in accordance with Rules and the Requirements of Section 40 of the Rules (1945-46) have been complied with where applicable.

The ship is constructed to carry oil as fuel in double bottom tanks Nos. 1, 2, 3 and 4 and in the fore peak. The flash point of fuel is above 150° F. and the requirements of Section 20 of the Rules (1945-46) have been complied with.

Lubricating oil is carried in the double bottom under the engines and fresh water in the after peak. The freeboards have been verified and the marks cut in on the vessel's sides. The steering arrangements and the windlass have been tested satisfactorily under working conditions. ✓

The amount of Entry Fee..... £ : : Fees applied for, 169 1947 (Special notations, where part of class, to be stated.)

Special Survey Fee..... Kr. 2.150:--
 Freeboard Fee Kr. 150:-- Received by me,
 Travelling Expenses, if any Kr. : 260:-- 19.....
 Trav.exp. due to Gothenb. Ac. Kr. 15:--

I am of opinion the Vessel should be Classed ✱ 100 AI

State whether the Vessel has been built under Special Survey Yes Signature *[Signature]*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Stockholm Office Date of issue 26/11/47

Committee's Minute ✓ OCT 24 1947

Character assigned +100 AI
8.47 Skm
Lloyd's A+C.P. +LMC 8.47 Oil Eng. Subject
Michy aft. O.G.
White Skm.
Michy. cert. to be endorsed for criticals

Strengthened for navigation in ice

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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 List of the Plans should be embodied.)

As built plans now forwarded:—

Midship section, Longitudinal Section and Plans, Shell expansion.

Approved plans now forwarded:—

Midship Section, Longitudinal Section and Plans, Shell expansion, Sternframe, Rudder, After peak, Motor casing, Forecastle bulkhead & bulkhead in forecastle, Seatings for auxiliary machinery, Deck house on poop deck, Stem, Hatches, Masts, Poop and Forecastle decks, Pillars, Framing, Rigging, Fore peak and stringer, Attachments of masts to deck, Main deck, Quarter deck, Poop bulkhead etc., Ventilators, W.T. bulkheads, Section through refrigerated hold, Pillars in hold, Rudder head bearing, Detail of rudder, Boat deck, Framing and beam knees, Welding sequences, Refrigerating plans Nos. 1118, 1119, 1120, 1121, 1183, 1184 and 5/401, 5/402, 5/403 and 5/404.

Forging and casting reports in respect of:— Main piece of rudder, stern frame, also copy of interim certificate are enclosed herewith. ✓

Swedish tonnage:— Gross:— 940.97 tons
Und. dk.:— 573.80 "
Net:— 644.54 " ✓

PARTICULARS OF ELECTRIC WELDING (if employed) Shellplating, decks, double bottom, bulkheads, frames in fore peak, hatches, engine seatings, seams in deck house except front bulkhead. ✓

Electrodes OK47P, OK48P, OK52P, Z1P, Z2P, Z4P, Z5P and PH 50.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Electrically welded, Strengthened for navigation in ice, Cruiser stern, Echo Sounding device, Direction Finder, Wireless and

RMC.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower.	Head	640 Kg. ✓	TB 1464	15'	15.8.45.	Shank	310 Kg. TB 1465	15.8.45.	15'
	2nd "	"	633 Kg. ✓	TB 1462	15'	15.8.45.	"	309 Kg. TB 1463	15.8.45.	15'
	3rd "	"	582 Kg. ✓	TB 1466	15'	15.8.45.	"	278 Kg. TB 1467	15.8.45.	15'

55'

60.6

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop (50) ft., R.Q.D. (62.5) ft., Bridge — ft., Forecastle 24 ft. ✓

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

Official No. 46597 Signal Letters — Extreme Breadth over Belting — Over-all Length 201 ft. 9.1/4" (Circ. 1703)

No. and Material of Decks. One; Steel ✓

Parts of Bottom of Vessel coated with cement or approved composition Bilge in hold and after peak. ✓

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.	121.7	150.1	Fore peak tank,	—	14.8 ✓
Double bottom, under Engines and Boilers.	9.2 ✓	5.3	After peak tank,	—	19.3 ✓
Double bottom, if under Engines only.	1.83		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.	130.9	155.4	(If necessary furnish further information by sketch.)		
	134.0	155.4	29.10.47.		

Order for Special Survey No. 17

Date 7/5/1945.

Dates of Surveys held while building

1945:— Sep. 17, Nov. 27 ; 1946:— Jan. 21, March 11, June 28, July 9, Aug. 15, 22, Sep. 3, 11, 25, Oct. 1, 2, 7, 8, 10, 11, 12, 14, 16, 18, 27, 28, Dec. 6, 17.
1947:— Jan. 4, 8, 27, Feb. 5, 25, March 13, April 1, 16, May 13, June 5, 13, 19, July 1, 15, 30, Aug. 1, 2, 6, 9, 11 and 16.

Total No. of Visits 46.