

STEEL STEAMER or MOTORSHIP.

Received at London Office 17 JAN 1946

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 10th January, 1946. Port of *Stockholm*

No. 6081

Survey held at *Stockholm* Date First Survey 8.5.44.

Last Survey 22.12.45.

1946

On the (State if Machinery fitted Aft and) *Mchy. aft. Single Sc. 4/7 "KLÖVERTRE"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling*State Type of Erections *Copy File*

TONNAGE under Tonnage Deck...

536.28 CLASS *100A1*State if with freeboard as condition of Class *No*Built at *Stockholm*

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

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 180.0*

Launched 25.10.45

Yard No. 185

Total

Breadth (greatest moulded) *B 29.5*Builders *A. B. Skerfving & Vero.*

Gross Tonnage

720.81

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 14.5*Owners *The Eastern Shipping Company A/S*

Register Tonnage

466.46

1st Longitudinal Number (L x D) *motie* = 242.48Managers *Roy Engsted*

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

FEET.

Length

183.3

Framing Depth "d," at middle of length. See Sec. 3 (1d) *12.41*

Breadth

29.6

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

Depth

14.7

Draught Moulded

Residence *V. Åker.*Port of Registry *Oslo*

If surveyed while building, afloat, or in dry dock

Building, afloat and on pontoon.

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 <i>a 2 spaces at</i>	580 ✓		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length amidships to Collision bulkhead.....	580 ✓	<i>640 on plan</i>	" " Reversed Frame	<i>None</i> ✓	
" " in peaks.....	580 ✓		" " Vertical Struts	<i>None</i> ✓	
SIDE FRAMING. <i>in way of cofferdam</i>	700 ✓		Centre Girder, depth and thickness amidships <i>None see plan</i>		
Frame Amidships, Angle, <i>E or F</i>	120° 80° 8 ✓	<i>Upper Deck</i> ✓	" " top Angles	<i>—</i>	
" " Extends up to	<i>Upper Deck</i> ✓		" " bottom Angles	<i>—</i>	
Reversed Frame Amidships, Angle <i>Side girders as per approved plan</i>	120° 80° 8 ✓	<i>UPPER DECK</i> ✓	Side Girders, No. each side and thickness	22 130 ✓	
" " Extends up to	<i>UPPER DECK</i> ✓		Margin Plate depth (excl. of flange) and thickness.....	<i>Level 8.0</i>	<i>8.5 in plan and below</i>
Depth of Framing Girder	120 ✓		" " Vertical Angle to Tank side Bracket <i>abft 1 len. from stem</i>	<i>E.W. 4.5</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>L</i>		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area.....	<i>L</i>	
" " Second 'tween Decks, Angle, [or]	<i>L</i>		" " Gussets, spacing and scantling abft $\frac{1}{4}$ len. from stem.....	<i>L</i>	
" " Third " " " "	<i>L</i>		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....	<i>L</i>	
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem.....	120° 80° 8 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>130</i>	
" " in Peaks, Angle <i>E or F</i>	120° 80° 8 ✓	<i>frames welded to shell as per plan</i> ✓	INNER BOTTOM PLATING, in Eng. room	8.5 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>names welded to shell as per plan</i> ✓		Breadth and thickness of Middle Line Strake	<i>Shakes fitted abft 1 len. from stem</i> ✓	
State if Frame Joggled	<i>No</i> ✓		Thickness of remainder in Holds	<i>L</i>	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?.....	<i>Yes</i> ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?.....	<i>Yes</i> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	<i>Yes</i> ✓		BEAMS.		
SINGLE BOTTOM. in cargo tanks			Uppermost Continuous Deck, amidships <i>90° 60° 8 and</i>		
Floors, Depth and thickness at mid-line in Holds	<i>L</i>		" " in way of Bridge, Angle, [or].....	75° 75° 7.5 ✓	
Height of Brackets at side above base line at toe of frame	<i>L</i>		Spacing	580 ✓	
Middle Line Keelson, on Floors, Angles, [or]	<i>Longit. bld.</i> ✓		Second Deck, amidships, Angle, [or]	<i>L</i>	
" " Through Plate or Intercoastal Plate.....	<i>L</i>		Spacing.....	<i>L</i>	
" " Foundation Plate on Floors	<i>L</i>		Third Deck, amidships, Angle, [or]	<i>L</i>	
" " Flat Plate Keel Angles <i>E.W. 4.5</i>	<i>E.W. 4.5</i>		Spacing.....	<i>L</i>	
Side Keelsons, No. each side	<i>One</i> ✓		Fourth Deck, amidships, Angle, [or]	<i>L</i>	
" " thickness of <i>TOP BAR as per plan</i> Intercoastal Plate.....	90 ✓		Spacing.....	<i>L</i>	
" " Angles.....	<i>E.W. 4</i>		Poop Deck, Angle, E or F	150° 75° 7.5 ✓	<i>B.A. see letter 1.4.46</i>
DOUBLE BOTTOM. aft in engine space			Spacing.....	140° 65° 8.0 ✓	
Solid Floors, thickness and spacing	8° 580 ✓		Bridge Deck, Angle, [or]	<i>L</i>	
" " Are Frame and Reversed Frame joggled?.....	<i>No</i> ✓		Spacing.....	<i>L</i>	
Bracket Floors, breadth and thickness at middle line	<i>None</i> ✓		Forecastle Deck, Angle, [or]	90° 60° 8 ✓	
" " breadth and thickness at margin plate.....	<i>None</i> ✓		Spacing	580	

PILLARS AND DECKS.

	mm. INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.		mm. INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....											
„ in 'tween Decks, Size and Spacing.....											
„ „ „ „ „											
„ in Holds „ „											
„ „ „ „ „											
Centre Line Bulkhead , <i>Longitudinal as per plan 800x900 with 150A</i>											
Stiffeners and Spacing.....											
Plating, thickness of											
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells											
„ „ „ „ in way of Bridge											
„ Angle in Wells											
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											
Second Deck.											
Stringer Plate, breadth and thickness in Wells...											
Stringer Plate, breadth and thickness in way of Bridge											
If Plated, state thickness											
Fourth Deck.											
Stringer Plate, breadth and thickness											
If Plated, state thickness											
Poop Deck.											
Stringer Plate, breadth and thickness											
Plating, Sheathing, material and thickness											
Bridge Deck.											
Stringer Plate, breadth and thickness											
Plating, Sheathing, material and thickness											
Forecastle Deck.											
Stringer Plate, breadth and thickness											
Plating, Sheathing, material and thickness											

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	mm. AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.				Inches.		Inches.	Inches.		Inches.
FLAT PLATE KEEL	1850	12 ✓	12 ✓	12 ✓									
„ DBLG. (if any)	✓	✓	✓	✓									
A-B	1650	10 ✓	9.75, 11.13	8.5, 9.75									
BOTTOM PLATING, No. of Strakes	1600	9.75 ✓	11.5, 13	8.5									
BILGE PLATING, No. of Strakes	1200	9.75 ✓	11.13	8.5 ✓	The shell stiffened								
SIDE PLATING, No. of Strakes	1650	9.75 ✓	13.12.5	8.5 ✓	with flat bars								
UPPER DECK, Sheer- strake in Wells.....	1400 ✓	10 ✓	10 ✓	10 ✓	90x8 mm. ✓								
UPPER DECK, Sheer- strake in Bridge ...	✓	✓	✓	✓									
STRAKE BELOW Sheer- strake in Wells.....	1650	9.75 ✓	13.12.5	8.5 ✓									
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓	✓	✓									
POOP SIDE PLATING				7.0 ✓									
BRIDGE SIDE PLATING ...													
FORECASTLE SIDE PLATING			7.0 ✓										

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)					10
„ Deck next below					
As per Rule					
	mm. Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds					
COLLISION „ (in Hold)					
AFTER PEAK „ „					

FORGINGS and CASTINGS.

	mm.	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar					
STEM					
STERN FRAME					
Propeller Post					
Rudder „					
Speed of Vessel					
RUDDER—Type					
„ A x D					
„ Diam. of head					
„ Mainpiece at top pintle					
„ „ heel					
„ how constructed					
„ double or single plate					
„ coupling, vertical or horizontal					

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Donnerpfeils Jernværk A/S.*

Has the Steel been tested as required by the Rules? *Yes. Satisfactory check tests taken on material manufactured in Germany and Norway.*

EQUIPMENT No				LETTER <i>D j</i>		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.
1036	1st Bower ...	935		19980	850	Heli's Patent	Donnayreft	At the maker's
1037	2nd " ...	922		19930	850	"	Jumelup	Works.
1038	3rd " ...	810		17820	740	"	Heticoblog.	25.10.44.
	Collective weight.	2667			2440			
1039	Stream	296	75	9680	240	Ordinary stock.		Shomon O'Brien

CHAIN CABLES.				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.
	Length. Diam.	Statu- Break- ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.
3845	385 31.5	28.8 42.8	8866 8420	385 31.5	Shd Link	Cable Ketting- fabrik.	At the maker's Works.	Steel wire TOWLINE.	135 70
							12.1.45.	HAWSERS & WARPS	165 57
							G. Hengvort.	Steel wire	165 44
									8840
									(All wire is 6x24).

or, Type (Power or hand) *Hand by Erensbergs Varv* Alternative Means of Steering *Block and tackle.*
 ins (Size and Test) *3/4" (6860 x 13120)* Windlass *Electric by Th. Thige* Boats *2 x 5.36 x 1.81 x 0.76 metres.*
 olds, thickness and material *2 1/2" Pine* Cargo Battens, thickness, material and spacing *None*
 hways.-(Upper Deck) *To tanks on top of trunk 1155 x 740 mm* Thickness of Hatches *Hinged steel covers, 12 mm. thick.*
 hways No. 1 (Fwd.) No. 2 No. 3 No. 4 No. 5 No. 6
 hifting Beams *Hatch in forecabin to dry cargo hold 1740 x 2320 with steel coverings 280 mm. high and one shifting*
 ore and Afters *beam. Wood covers 63 mm. thick.*
 Builder's Signature *A.B. ERENSBERGS VARV*
T. Hengvort

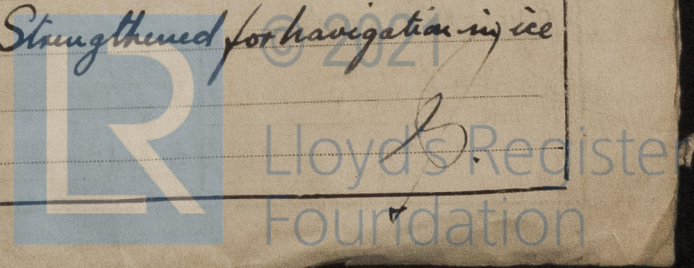
DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *motor ship*
 whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *oil tanker.* The positions in which oil is carried as fuel or cargo should
 indicated, together with the flash point (where required to be inserted in the Notation).
Ship has been built in conformity with the Society's Rules and Regulations and the Registry's
is. The scantlings and arrangements are in accordance with or equivalent to those shown on the
and plans. The material and workmanship are good. The tanks, decks, bulkheads and cofferdams
been tested in accordance with the Rules and the requirements of sections 20 & 40 of the Rules
40) have been complied with where applicable. The ship is constructed to carry petroleum in
bulk and oil fuel in the deep tank forward of the engine space. Lubricating oil is carried in the
double bottom under the engine. The flash point of the oil fuel is above 150°F. The steering
arrangement and windlass have been tested under working conditions on the trial trip.
It is recommended the ship being subject to indented bottom plates on sheered side
being dealt with at the owner's convenience.

The amount of Entry Fee *14.26* Fees applied for, *10.1. 1946* (Special notations, where part of class, to be stated.)
 Special Survey Fee *2.05* Received by me, *11.5*
 Travelling Expenses, if any *15.25*
 State whether the Vessel has been built under Special Survey *Yes*
 Certificate to be sent to *Stockholm office* Date of issue *2/3/46*
 I am of opinion the Vessel should be Classed *+100 A1*
carrying petroleum in bulk
Strengthened for navigation in ice
 Signature *Shomon O'Brien*
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 1 MAR 1946*
 Character assigned *+100 A1 "Carrying Petroleum in bulk" Subject*
Lloyd's A & C.P.
Machy aff. + LMC 12.45 Oil Eng Subject
O.G.
DB 11476
White X Skm.
machy
Note for S.R.L.

The Surveyor are requested not to write on or below the Committee's Minutes.

0108 2/2



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.)

This vessel is a sister ship to the same Builders Yard No. 184,
The M/T 'KORSHAMN' Stockholm report No. 5758.

The following approved plans are forwarded:—
Longitudinal section.
Midship section.
Stem frame and rudder.
Double bottom and main engine seatings.
Shell expansion.

As built plans now forwarded:—
Longitudinal section.
Shell expansion.
Like stringer and bottom girders.
Various certificates also forwarded.

PARTICULARS OF ELECTRIC WELDING

(if employed) Practically all welded.
Electrodes used O.K. 47 and O.K. 52.

SPECIAL NOTATIONS:—

Either as part of the vessel's class or for record in the Register Book. *Being petroleum in bulk.
Strengthened for navigation in ice. Quinper stem. Electrically welded. Machinery aft.*

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

1st Bower Head 619 Kg. - T.B. 918 - 19.9.44 Shank 260 Kg. - T.B. 913 - 19.9.44.
2nd „ Head 611 Kg. - T.B. 917 - 19.9.44. Shank 255 Kg. - T.B. 914 - 19.9.44.
3rd Head 536 Kg. - T.B. 916 - 19.9.44. Shank 226 Kg. - T.B. 915 - 19.9.44.
Stock anchor 277 Kg. - T.B. 919 - 19.9.44. 45.9' ← See letter 1.4.46 → 29.3'

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 141.00 ft. R.Q.D. ft., Bridge ft., Forecastle 84.50 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 LLKG Extreme Breadth over Belting (Circ. 1611) Over-all Length 58.78 metres (Circ. 1703)

No. and Material of Decks One Deck Steel.

Parts of Bottom of Vessel coated with cement or approved composition Cement in fore and after peak tanks, bitum in fore and after peak tanks.

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,		26.15
Double bottom, under Engines and Boilers,			After peak tank,		14.38
Double bottom, if under Engines only, Subr. oil 5.73 m ³ .			Deep tank, aft, for oil fuel 61.35 m ³ .		
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.)		
Barge tanks 1361.5 m ³ .					

Order for Special Survey No. 11

Date

Dates of Surveys held while building

1944:— May 8, July 4, Aug 8, Sep 13, 14, Oct 9, Nov 3, Dec 10
1945:— Jan. 6, 9, 19, Feb 2, July 21, Aug 29, Sep 19, 24
Oct 9, 15, 16, 17, 18, 24, 25, 26, Nov 8, 9, 20, 21, 26, Dec 4, 5,
16, 17, 18, 19, 20, 21, 22.

Total No. of Visits 38