

STEEL STEAMER OF MOTORSHIP.

JUN 12 1937

Received at London Office

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 *18th June 1937*Port of *Göteborg*No. *11282*Survey held at *Göteborg*Date First Survey *6th October 1936*Last Survey *28th May*

1937

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

Single Screw Motorships "KOLLBJÖRG"

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

*Full Scantling, Carrying Petroleum in Bulk*State Type of Erections *Poop, Bridge & etc.*TONNAGE under Tonnage Deck... *7560.93*CLASS ** 100 A. 1.*
*Part electrically welded*State if with freeboard as condition of Class *No*Built at *Göteborg*

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 465'-0"*Launched *4th March 1937* Yard No. *264*

Total

Breadth (greatest moulded) *B 60'-9"*Builders *Örnsbergs Mekan. Verkstads A.B.*Gross Tonnage *8258.53*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 34'-0"*Owners *AKTIESELSKAPET KOLLBJÖRG*Register Tonnage *4978.15*D FOR NUMERAL 33.2
1st Longitudinal Number (L x D) *= 15438*Managers *ODD BERG and HJALMAR BJÖRGE*

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

REGISTERED DIMENSIONS.
FEET.Framing Depth "d," at middle of length. See Sec. 3 (1d) *13.676*Residence *Oslo*Length *469.2*Proportions—Depth to Length—Uppermost continuous deck to top of keel *26'-7"*Port of Registry *Oslo*Breadth *61.1*

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

Depth *34.5*

Draught Moulded

Building, afloat and on floating dock

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. mm	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. mm	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	800	✓	Bracket Floors, Frame	✓	
<i>fore end of No. 1 tank</i>			" " Reversed Frame	✓	
" " from $\frac{1}{2}$ length to Collision bulkhead	685	✓	" " Vertical Struts	✓	
" " in peaks	605	✓	Centre Girder, depth and thickness amidships	1170 x 11/2	✓
SIDE FRAMING.			" " top Angles	90 90 12 1/2	✓
BOTTOM			" " bottom Angles	100 90 14	✓
Frame Amidships, Angle, E or F	280 90 12	✓	Side Girders, No. each side and thickness	32 19, 15 & 10 1/2	✓
" " Extends up to	Long. Bkds	✓	Margin Plate depth (excl. of flange) and thickness	Tank top cl- tended to shell 13	✓
SIDE			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	✓	
Reversed Frame Amidships, Angle E	280 90 12	✓	" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	✓	
" " Extends up to	Upper deck	✓	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓	
Depth of Framing Girder	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	No per app'd plans	
" " Second 'tween Decks, Angle, E or F	✓		INNER BOTTOM PLATING.		
" " Third " " " "	✓		Breadth and thickness of Middle Line Strake	2696 x 13	✓
Framing in Peaks, Angle or F	200 90 10 1/2	✓	Thickness of remainder in Holds	13	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 2 135	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & D. space and framing in Bunkers and Boiler Room?	Yes	
State if Frame Joggled	Yes	✓	BEAMS.		
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Deep frames and stringers as per app'd plans	✓	Uppermost Continuous Deck, amidships	200 x 90 x 10 centre 200 x 90 x 10 sides	✓
TRENGTHENING OF BOTTOM FORWARD. State Particulars	90 x 90 x 11 1/2 bade bars from 1/2 L to coll. bld. Extra girder and increased shell	✓	" " in way of Bridge, Angle, E or F	✓	
INGLE BOTTOM.			Spacing	800	✓
Floors, Depth and thickness at mid-line in Holds	✓		Second Deck, amidships, Angle, E or F	✓	
Height of Brackets at side above base line at toe of frame	✓		Spacing	✓	
Middle Line Keelson, on Floors, Angles, E or F	1700 x 12 1/2	✓	Third Deck, amidships, Angle, E or F	✓	
" " Through Plate or Intercoastal Plate	200 x 90 x 12 DBLE	✓	Spacing	✓	
" " TOP BULB ANGLES	150 x 150 x 13 DBLE	✓	Fourth Deck, amidships, Angle, E or F	✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	One, in cr. tanks	✓	Poop Deck, Angle, E or F	230 x 90 x 12 200 x 75 x 12 200 x 75 x 11	✓
Side Keelsons, No. each side	1700 x 12 1/2	✓	Spacing	800 - 605	
DEPTH AND THROUGH	280 x 90 x 14 1/2 SGL	✓	Bridge Deck, Angle, E or F	230 90 11	✓
thickness of Intercoastal Plate	150 x 150 x 13	✓	Spacing	800	
TOP BULB ANGLES	✓		Forecastle Deck, Angle, E or F	200 75 10 180 75 10	✓
Angles TO SHELL	✓		Spacing	685 - 605	
DOUBLE BOTTOM. IN MOTOR ROOM	12 1/2 W.T. 10 1/2 every frame	✓			
Solid Floors, thickness and spacing	Frames only	✓			
" " Are Frame and Reversed Frame joggled?	✓				
Bracket Floors, breadth and thickness at middle line	✓				
" " breadth and thickness at margin plate	✓				

PILLARS AND DECKS.

	Inches IN SHIP. <i>mfm</i>	Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	✓	
" in 'tween Decks, Size and Spacing	✓	
" " " " "	✓	
" in Holds " "	✓	
" " " " "	✓	
2 LONGITUDINAL Centre Line Bulkheads		
Stiffeners and Spacing... <i>Channels 260x10x90x142800</i>	✓	
Plating, thickness of <i>13, 11½, 10½, 10, 9½, 10</i>	✓	
STRINGERS AND DECKS.		
Uppermost Continuous Deck.		
Stringer Plate, breadth and thickness in Wells <i>2100x21½-11</i>	✓	
" " " " in way of Bridge <i>27 at breaks</i>	✓	
" Angle in Wells <i>to 160 160 22</i>	✓	
Thickness of Plating abreast Deck openings } <i>20-9</i>	✓	
in way of Wells		
Thickness of Plating abreast Deck openings } <i>v</i>		
in way of Bridge		
Thickness of Plating within line of openings... <i>12-9</i>	✓	
If Sheathed, material and thickness	✓	
HORIZONTAL GIRDERS IN WING TANKS.		
Second Deck.		
Stringer Plate, breadth and thickness in Wells <i>Two 1150 x 10</i>	✓	
<i>welded to shell and bulk heads</i>		
BEAMS IN WAY OF HORIZONTAL GIRDERS		
Stringer Plate, breadth and thickness in way of Bridge <i>L 200x90x10</i>	✓	
Thickness of Plating abreast Deck openings } <i>v</i>		
in way of Wells		
Thickness of Plating abreast Deck openings } <i>v</i>		
in way of Bridge		
Thickness of Plating within line of openings... <i>v</i>		
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	✓	
Poop Deck.		
Stringer Plate, breadth and thickness	9	
Plating, Sheathing, material and thickness ... <i>6½, oregon pine, 2½"</i>		
Bridge Deck.		
Stringer Plate, breadth and thickness..... <i>1690 x 10</i>	✓	
Plating, Sheathing, material and thickness } <i>8½</i>	✓	
Forecastle Deck.		
Stringer Plate, breadth and thickness..... <i>2" Swedish pine in way of accom.</i>	✓	
Plating, Sheathing, material and thickness .. <i>9½</i>	✓	
	9	✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No</i>		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	
	<i>inches</i> <i>up</i>	<i>inches</i> <i>up</i>	<i>inches</i> <i>up</i>	<i>inches</i> <i>up</i>									
FLAT PLATE KEEL	<i>2/30</i>	<i>24</i>	<i>20</i>	<i>20</i>	✓	<i>Double</i>	<i>25</i>	<i>72/100</i>	<i>5 R</i>	<i>25</i>	<i>115</i>	<i>Lapped</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>3</i>		<i>17 1/2</i>	<i>19 1/2</i> <i>20 1/2</i> <i>12 1/2</i>	<i>12 1/2</i>	✓	<i>"</i>	<i>22</i>	<i>8289</i>	<i>4 R</i>	<i>22</i>	<i>90</i>	<i>- " -</i>	
BILGE PLATING, No. of Strakes <i>1</i>		<i>17 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>	✓	<i>"</i>	<i>22</i>	<i>9280</i>	<i>4 R</i>	<i>22</i>	<i>90</i>	<i>- " -</i>	
SIDE PLATING, No. of Strakes <i>3</i>		<i>16 1/2</i>	<i>12</i>	<i>12</i>	✓	<i>"</i>	<i>22</i>	<i>9280</i>	<i>4 R</i>	<i>22</i>	<i>90</i>	<i>- " -</i>	
UPPER DECK, Sheer-strake in Wells.....	<i>1920</i>	<i>24</i>	<i>12</i>	<i>12</i>	✓				<i>5 R</i>	<i>25</i>	<i>115</i>	<i>- " -</i>	
UPPER DECK, Sheer-strake in Bridge ...		<i>28 at breaks</i>											
STRAKE BELOW Sheer-strake in Wells.....	<i>2100</i>	<i>19 1/2</i>	<i>12</i>	<i>12</i>	✓	<i>Double</i>	<i>25</i>	<i>8289</i>	<i>4 R</i>	<i>25</i>	<i>100</i>	<i>- " -</i>	
STRAKE BELOW Sheer-strake in Bridge ...		<i>11</i>											
POOF SIDE PLATING				<i>10</i>	✓	<i>Single</i>	<i>19</i>	<i>75</i>	<i>1 R</i>	<i>19</i>	<i>65</i>	<i>- " -</i>	
BRIDGE SIDE PLATING ...		<i>11</i>				<i>"</i>	<i>25</i>	<i>112</i>	<i>1 R</i>	<i>19</i>	<i>75</i>	<i>- " -</i>	
FOREC'TLE SIDE PLATING			<i>11</i>			<i>"</i>	<i>19</i>	<i>75</i>	<i>1 R</i>	<i>19</i>	<i>65</i>	<i>- " -</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—12 (4 in centre tanks only)
 Extending to Upper Deck (Sec. 3 c) 11 (4 " " " ")
 " Deck next below 1
 As per Rule 7

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate keel		
STEM		Rolled bar		
STERN FRAME {	Propeller Post	Casting as per app'd plan	Messrs. Rubinstahl	
	Rudder	" " " " "	H. G. Henrichs-Hütte, Hattingen	
Speed of Vessel		12 knots ✓		
RUDDER—Type		Normal		
" A x D		7' 9 1/2 FT 3 ✓		
" Diam. of head			Makers of castings	
" Mainpiece at top pintle		See app'd plan	and forgings	
" " heel ...			same as above	
" how constructed				
" double or single plate		Double, 12 ^{mm} ✓		
" coupling, vertical or		Horizontal		
" horizontal				

STIFFENERS.

				STIFFENERS.			
Plating Thickness.				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
				<i>m</i>	<i>m</i>	<i>m</i>	<i>m</i>
MIDSHIP BULKH'D, Upper tween decks							
"	"	Second	"				
"	"	Third	"				
"	"	Holds					
				13-10	260x10x90x14	840	2 horizontal girders
COLLISION							
"	"	(in Hold)		11 1/2-6 1/2	165x75x8 C	610	23 " " " "
AFTER PEAK							
				7 1/2	150x75x8 C	610	and deep tanks top
				13	✓	✓	150x75x10 C 775

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Ötelförningsmüller, H. & Co. AG. Mannheim*
Oberhausen and Neu Oberhausen: Kön. ung. staatliche Eisen-Stahl- und Maschinenfabriken, Deggendorf; Société Anonyme
d'Angres - Marbache. Société Anonyme de La Fabrique de Fer de Charleroi; Cassell Iron Co. Ltd.; Edrilles Ltd.
STEEL RIVETS: *Messrs. A. Henrichs, Forest, Tithorpe, James Steel & Transvaal Coys.*
 Has the Steel been tested as required by the Rules? *Yes.* *Open hearth process.*

EQUIPMENT No										LETTER <i>cf</i>	ANCHORS.				
Number of Certificate.	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.				
2069	1st Bower ...	74	0	22				56	0	0	0	27.0.0	"Union" Stockless	Lortmünd	Mahers work. 16.1.37
2070	2nd " ...	73	3	6				55	15	0	0	27.0.0	"	Holckes	J. Zoogen
2071	3rd " ...	74	1	7				56	0	0	0	65.2.0	"	Hiltnerrein	"
	Collective weight.	222	1	7								219.2.0		S. S.	"
	Stream	22	1	6	6	0	7	22	13	0	14	22.0.0	Cast steel stock anchor with forged steel stock.		"

CHAIN CABLES.													HAWERS 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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Tons.		Length.	Ins.
1284	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.	Messrs. Kettenwerke Schlegel Grüne	Mahers work. 29.7.36 Jul. Gust	TOWLINE...	130	5 1/4 (6x24)	77.5	130	5 1/4 (6x24)
			18 0	12 0									HAWERS & WARPS	4x100	3 (6x12)	18.6	4x100	2 3/4 (6x12)
													"	2x90	2 3/4 (6x12)	15.2	—	—
Iron-Stream Chain or Steel Wire	120	5 (6x12)	above	52.8					120	5	6x12	B.S. Norsk Staal-tang-fabrik Trondheim	Mahers work.					

Steering Gear, Steam *Hastie & Co; Electro Hydraulic* Steering Gear, Hand *Blocks and tackles to winch on poop.*
 Boats *2 2 24'-0" x 7'-5" x 3'-0"* Steering Chains, Size and Test *None* Windlass *Steam 10" x 14" by Paines
H. & H. Thibault, Chantal, Norge*
 Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*
 Cargo Hatchways.—(Upper Deck) *O.T. Hinged steel hatches; 10' in coaming. Thickness of Hatches 15' in*
 Size of No. 1 Hatchway (Forward) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒
 Number of Shifting Beams and/or Fore and Afters ☒

Eriksbergs Mek. Verkstads Aktiebolag
 Builder's Signature *Paul Sörster*

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 *Motor Ship*
 (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.

The materials and workmanship are good. The vessel has been built in accordance with the approved plans and instructions, the Secretary's letters of various dates and in conformity with the Rules for the class contemplated. The horizontal girders in the wing tanks and on the transverse bulkheads in the cargo tanks and cofferdams are welded to the shell and bulkhead plating. The Rules for the application of Electric Arc Welding to ship construction have been complied with.

The vessel is constructed to carry petroleum in bulk. The vessel is also constructed to carry oil fuel in the double bottom under the machinery, in the oil fuel bunkers situated at the forward end of the machinery space, in forward deep tank and in the after peak. The flash point of the oil fuel is above 150°F. Lubricating oil is carried in the centre portion of the double bottom under the engine.

The tanks, cofferdams, bulkheads and decks have been tested in accordance with the Rules and the requirements of Section 20 of the Rules (1936-37) have been complied with.

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

The amount of Entry Fee £ *Rs.* 209.00 Fees applied for, *11th June, 1937*
 Special Survey Fee.... £ " 11584.30 Received by me, *30.6.37*
 FREEBOARD FEE " " 420.00 I am of opinion the Vessel should be Classed *100A.1.*
 Travelling Expenses, if any £ " : 20.50 Carrying Petroleum in Bulk. (Part electrically welded.)
 LATE FEE " " 160.00
 State whether the Vessel has been built under Special Survey *Yes.* Signature *Tage Widén*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Göteborg* Date of issue *30/6/37.*

FRI 18 JUN 1937

Committee's Minute

Character assigned

+ 100A
Carrying petroleum in bulk

Lloyd's Assoc
Part Electrically welded
02.

+ Lmb. 5.37
Oil of, Cp.
2 S.R. - 14.2.37

Widén



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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 a List of the Plans should be embodied.)

Sister vessels: Enkberg's M/s 258 "Alexandra Floegh", M/s 262 "Hollgrim", M/s 263 "Tinnerøy",
M/s 271 "Jotunfjell".

The following Plans are now forwarded:

Midship Section.

Longitudinal Section and Plans.

Stem frame and Rudder.

Fore end.

Aft end.

Double bottom.

As fitted plans now forwarded:

Midship Section.

Longitudinal Section and Plans.

Certificates for following details are now forwarded (4 certificates):

Stem frame.

Rudder frame.

Rudder shaft etc.

Electric Hydraulic Steering Gear.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Carrying petroleum in bulk. Part electrically welded.

Fitted with wireless and direction finding apparatus.

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

1st Bower

Head: 49.0:2 cwt. J.L. 342. 31.12.36. Shank: 25.0:20 cwt. J.L. 1963. 31.12.36.

2nd "

48.1:20 " J.L. 343. --

25.1:14 " J.L. 1961. --

3rd "

49.0:2 " J.L. 344. --

25.1:5 " J.L. 1962. --

Stream

22.1:6 " J.L. 345. --

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 92.0 ft., R.Q.D. √ ft., Bridge 28.3 ft., Forecastle 40.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

No. and Material of Decks 1 deck (Steel)

Overall length: 486.6 ft.

Official No.

Signal Letters L J L X

Is bottom of vessel coated with cement

part

if not give

particulars of composition Cement in F.W. double bottom tank and in fore peak.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons. CUB. METR.	Where Fitted.	*Length. Feet.	Water Capacity. Tons. CUB. METR.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers, A.F. or W.B. 86	67.8		After peak tank, O.F. or W.B.	23.8	140.0
Double bottom, if under Engines only, Feed water 54	includ.	172.0	Deep tank, aft, (Cross bunker) O.F.	10.5	560.0
Double bottom, if under Boilers only, Lub. oil 32	cofferdam		Deep tank, forward, O.F. or W.B.	22.5	492.0
Double bottom, forward,			Other tanks, if fitted,		
		172.0	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 221

Date 10th July 1936

Dates of Surveys held while building

1936: Oct. 6, 12, 20, 24, 26, 27, 28, 29, 31. Nov. 2, 3, 6, 11, 16, 18, 19, 21, 24, 27. Dec. 5, 9, 17, 19, 21, 22, 29, 30.

1937: Jan. 4, 5, 7, 8, 11, 12, 13, 14, 19, 20, 21, 22, 25, 27, 29. Feb. 2, 8, 10, 11, 16, 18, 19, 20, 22, 23, 27. March 1, 2, 3, 4, 5, 8, 9, 11, 13, 15, 16, 17, 18, 19, 22, 24, 25, 30. April 3, 8, 9, 15, 20, 27.

May 3, 7, 10, 11, 13, 14, 16, 17, 18, 19, 21, 23, 25, 26, 27, 28.

Total No. of Visits 93