

STEEL ~~STEAMER~~ OR MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 20th January, 1953 Port of Gothenburg No. 19535Survey held at Uddevalla Date First Survey 15th April, 1952 Last Survey 3rd January, 1953On the (State if Machinery fitted Aft and Twin or Triple Screw) Single Screw Motor Tanker "A.S.L.A.U.G. T.O.R.M." (Machinery fitted aft)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling State Type of Erections Poop, Bridge & ForeTONNAGE under } 9107.56
Tonnage Deck ... }No. of space or spaces }
between Tonnage Dk. }
Upper Dk. }

3m, 10' ... }

Gross Tonnage 10270.41Register Tonnage 5945.60

REGISTERED DIMENSIONS.

FEET

Length 507.5Breadth 64.2Depth 36.0CLASS +100A1 Carrying Petroleum in bulk State if with freeboard as condition of Class } NoLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) } 500' - 0"Breadth (greatest moulded) } B 64' - 0"Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 38' - 3"

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.1

Do. Long Bridge to top of keel =

Draught Moulded 29' - 8.3/4"Built at UddevallaKeel laid 24th April, 1952Launched 25th October, 1952 Yard No. 126Builders Uddevallavarvet A-B.Owners D/S Torm A/SManagers Axel Kampen & Carl M. Anderson
(Where necessary to be entered in Reg. Book)Residence CopenhagenPort of Registry Copenhagen

If surveyed while building, afloat, or in dry dock

While building, afloat, and on float dock.
(Date of undocking 5.1.1953)

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 <u>midship machinery sp.</u>	825	✓	Bracket Floors, Frame		
" " <u>double bottom</u>	685	✓	" " Reversed Frame		
" " <u>in peaks</u>	610	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1260 x 14.2	✓
Frame Amidships, Angle, <u>□</u> or <u>⌈</u>			" " top Angles	6.5	✓
" " Extends up to	Longitudinal		" " bottom Angles	6.5	✓
Reversed Frame Amidships, Angle	framing. See	✓	Side Girders, No. each side and thickness	4 à 12.5/18.0	✓
" " Extends up to	Rpt. 1 ⁺ attached		Margin Plate depth (excl. of flange) and thickness	Tank top	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	extends	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>□</u> or <u>⌈</u>			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	to shell	
" " Second 'tween Decks, Angle, <u>□</u> or <u>⌈</u>			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " <u>Boiler Room</u>	260 90 12.7	✓	" " 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	Long framing	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, <u>□</u>	240 90 11.1	✓	INNER BOTTOM PLATING, in eng. room.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships			Breadth and thickness of Middle Line Strake	14.0	✓
State if Frame Joggled	No	✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area 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 Bunkers and Boiler Room?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>□</u> or <u>⌈</u>		
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, <u>□</u> or <u>⌈</u>		
Height of Brackets at side above base line at toe of frame			Spacing		
Middle Line Keelson, on Floors, Angles, <u>□</u> or <u>⌈</u>			Second Deck, amidships, Angle, <u>□</u> or <u>⌈</u>		
" " Through Plate <u>1950 x 12.5</u>		✓	Spacing		
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <u>□</u> or <u>⌈</u>	Longitudinal	
" " Top plate <u>434 x 25.4</u>		✓	Spacing	framing. See	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, <u>□</u> or <u>⌈</u>	Rpt. 1 ⁺ attached	
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, <u>□</u> or <u>⌈</u>		
DOUBLE BOTTOM, in engine room.			Spacing		
Solid Floors, thickness and spacing	11.0. Ev. fram	✓	Bridge Deck, Angle, <u>□</u> or <u>⌈</u>		
" " Are Frame and Reversed Frame joggled?	No	✓	Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, <u>□</u> or <u>⌈</u>		
" " breadth and thickness at margin plate			Spacing		

PILLARS AND DECKS.

	MM. IN SHIP.	Any Departure from Approved Plans to be Noted.	MM. IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows				
" in 'tween Decks, Size and Spacing				
" " " " "				
" in Holds " " "				
" " " " "				
Longitudinal Bulkheads in Cargo Tanks. Horiz. corrugation				
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				
1st strike inside sheer				
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				
Plating, Sheathing, 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.....				
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.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAP.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	1500	26.5	26.5	26.5								
„ Dblg. (if any)	--	--	--	--								
Bottom Plating, No. of Strakes 4.....	--	3/4"	13/16"	9/16"	Forw.appd. 19 mm.							
Bilge Plating, No. of Strakes 2.....	--	3/4"	--	9/16"								
Side Plating, No. of Strakes 4.....	--	5/8"	9/16"	9/16"								
Upper Deck, Sheer- strake in Wells.....	1820	15/16"	9/16"	1/2"								
Upper Deck, Sheer- strake in Bridge ...	--	--	--	--								
Strake below Sheer- strake in Wells.....	--	5/8"	9/16"	9/16"								
Strake below Sheer- strake in Bridge ...	--	--	--	--								
Poop Side Plating.....	--	--	--	7/16"								
Bridge Side Plating.....	--	1/2"	--	--								
Forecastle Side Plating	--	--	1/2"	--								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 10 + 6 in centre tanks ✓

„ Deck next below —

As per Rule 8 ✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Data from A Plans to
KEEL, Bar	Plate	keel	✓	
STEM	M.S.	24-13mm. As per plate plan	✓	
STERN { Propeller Post	Cast.	As per plan	Stromers	✓
FRAME { Rudder "	Forged	280 Ø	Versta Kongsberg Vapenfabr.	102 29
Speed of Vessel	15 knots	✓		
RUDDER—Type	Simplex	Balance	✓	
" A × D	Forged	391	✓ Kongsberg	
" Diam. of head		296	✓ Vapenfabr.	
" Mainpiece at top pintle		As per appd. plan	✓	
" " heel		plan	✓	
" how constructed	Welded		✓	
" double no single plate coupling, vertical or		12.0	✓	
" horizontal	Horizontal		✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Haerth.
Oberhausen, Ilsede-Heine, Domnarfvets Jernverk, Fuji Iron & Steel Co., Ltd., Yawata Iron & Steel Co.
 Approved P-403 material delivered from Oberhausen has been used at poop break in upper deck 30 mm., at
 sheer strake 29 mm.
 Has the Steel been tested as required by the Rules? Yes ✓

PARTICULARS OF LONGITUDINAL FRAMING.

GOTHENBURG FIRST ENTRY REPORT No.19535 of the 20th January, 1953.

22 JAN 1953

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.					
	(Fr. 58)			(F=Fr.87)(A=Fr.26)				Rivets in Longitudinal Frames.			Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	In Ship.			In Ship.				Diam.	Speng.	Number.		Diameter.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Ins.	Ins.		Inches.		Inches.
L, L or C													
Bridge 'tween Decks ...	200	100	9.5	F 170	90	9.5		45	45				
Keel No. 1-5	412x97x13x32			Transverse				5.5	5.5				
7-12	410x96x12x30			Transverse				"					
12	330x11-120x20.6			Transverse				"					
13	290x11-120x20.6			Transverse				"					
14	290x11-120x20.6			F 290x11-141x25				"					
15	280x11-120x20.6			A Transverse				"					
16	270x11-120x20.6			F 290x11-130x20.6				"					
17	260x11-120x20.6			A 250x11-100x20.6				"					
18	250x11-110x20.6			F 290x11-120x20.6				"					
19	250x11-100x20.6			A 250x11-100x20.6				"					
20	250x11-90x20.6			F 260x11-120x20.6				"					
21	250x11-80x20.6			A 250x11-100x20.6				"					
22	250	83	12.7	F 250x11-88x20.6				"					
23	250	83	12.7	A 250x90x11				"					
24	200	90	11	F 250x82x12.7				"					
25	200	90	11	A 225x90x11.1				"					
26	200	90	11	F 177x101x11				"					
27	200	90	11	A Stringer				"					
28	200	90	11	F 250x90x11				"					
At Ends	830/770			F Deep tank top				"					
Tank Top Longitudinals				A 250x90x11				"					
Bottom				F 250x11-88x20.6				"					
Longitudinals				A 250x90x11				"					
At ends...				F 250x82x12.7				"					
Transverses.				A 225x90x11.1				"					
Depth and Thickness	400 x 10			F 177x101x11				"					
Face Angles	75 x 20			A 200x90x9.5				"					
Lugs to Shell*	4/4			F 177x101x11				"					
Depth and Thickness	800/960 x 11/12.5			A 200x90x9.5				"					
Face Angles	150 x 12/21			F 177x101x11				"					
Lugs to Shell*	5/5			A 177x101x11				"					
Depth and Thickness	1482x12.5 1390x12.5			F 177x101x11				"					
Face Angles	240x12.5 150x12			A 177x101x11				"					
Lugs to Shell*	6/6			F 177x101x11				"					
Back Bars	As per			A 177x101x11				"					
Brackets	plan			F 177x101x11				"					
g of Transverse Frames...	3300			A 177x101x11				"					
ate if joggled or liners.				F 177x101x11				"					
Bridge Deck	5"	3 1/2"	3/8"										
Upper	250	90	11										
Poop	150	75	8										
Forecastle	150	90	9.5										

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.

002602-002610-0020 2/3

Uddevallavarvet
Lloyd's Register
Foundation

EQUIPMENT No. 53632				LETTER ft		ANCHORS.		
Ar of ate.	Anchor.	WEIGHT, EX. STOCK. Kgs.	WEIGHT OF STOCK. Kgs.	TEST, PER CERTIFICATE. Kgs.	WEIGHT REQUIRED BY TABLE 53. Kgs.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
66	1st Bower	4502		64250		Union Stockless	Hättenunion	Makers' works
67	2nd "	4559		64250		"	Hörde	22.9.51 - Julius Quast
68	3rd "	4479		64250		"	"	"
	Collective weight	13540	x)		13556 13080			
69	Stream	1401	350	27330	1345	Union Stock	"	"

CHAIN CABLES.										HAWSERS AND WARPS.									
Ar of te.	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.		
0	302	2 10 16	169:5:0:0	237:0:0:0	Supplied.	Per Rule.		300	2 5 8	Stud link	N.V. Koninklijke Nederlandsche Grofsmederij	Makers' works 1.7.52 K.V.D.	TOWLINE	240	5 1 2	84.4	130	5 1 2	
													HAWSERS & WARPS	4x185	2 3 4	21.1	4x100	2 3 4	
	220	5	72037 kgs.					120	5										

ing Gear, Type (Power or hand) Electric-Hydraulic, Hastie, LL.Cert.C 4149 Alternative Means of Steering 2 pumps and 2 motors
 ing Chains (Size and Test) --- Windlass Steam, Clark Chapman Boats 2 steel motor
7.35 x 2.35 x 1.06 M. (28 men)
 ing in Holds, thickness and material --- Cargo Battens, thickness, material and spacing 2 steel
7.35 x 2.35 x 1.06 M. (32 men)

Hatchways.-(Upper Deck) 19/11 Steel hatch coamings welded to deck. Thickness of Hatches ---
 Cargo Vent. Dry Cargo
 Hatchways No. 1 (Fwd.) 1200 Ø No. 2 690 x 545 No. 3 2055 x 3064 No. 4 --- No. 5 --- No. 6 ---
 of Shifting Beams } Steel cover 12.0. 15 W.T. 7.5 stiff. W.T.
 or Fore and Afters }

Builder's Signature

The collective weight of the bower anchors is 16 kgs.
 below the Rule requirements, but it is recommended
 they should be accepted as the cable weight is 66:0:1
 above the Rule requirements.

RAL 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. 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).
 ship has been built under Special Survey in conformity with the Society's Rules and Regulations and the Secretary's
 rs. The scantlings and arrangements of the ship are as given in the report and as shown and amended on the appd.
 now forwarded. All modifications or additions to the original appd. arrangements made during the construction have
 indicated on the plans and have been appd. as being in accordance with or by standards equivalent to, the Rule
 rements. The plans of Midship Section and Profile and Decks showing the ship as built now forwarded herewith, have
 checked with the approved arrangements and found in order. The tanks, cofferdams, bulkheads and decks have been
 d in accordance with the Rules. The requirements of Section 20 of the Rules have been complied with. The ship is
 ructed to carry petroleum in bulk, oil fuel or water ballast in deeptanks fwd in dry cargo hold, in the fuel oil
 e bottom tanks in E.R., in the fuel oil bunker wingtanks p.& s fwd and aft end of E.R., fresh water in the counter
 in the tweendeck F.W. tanks aft, in the afterpeak tank in the aft double bottomtanks in E.R. and waterballast in
 ore peak tank. Lubricating oil is carried at centre in the double bottom tanks in ER. The flash point of the oil
 is above 150° F. The freeboards have been marked and cut in on the vessel's sides. Windlass and steering gear
 P.T.O.

Freeboard
 amount of ~~Free~~ Fee.....Kr. 790:00 Fees applied for,
 Special Survey Fee.....Kr. 27860:00 20/1 19.53 (Special notations, where part of class, to be stated.)
 e fee Kr. 60:00 Received by me,
 Travelling Expenses, if anyKr. 1098:55 --- 19 --- I am of opinion the Vessel should be Classed +100A1
 Carrying Petroleum in bulk
 whether the Vessel has been built under Special Survey Yes Signature Hans K...

icate to be sent to Gothenburg Date of issue 5/3/53. Surveyor to Lloyd's Register of Shipping.

mmittee's Minute

aracter assigned

TUEB. 24 FEB 1953

+100A1 Carrying Petroleum in bulk

1,53 Cpn.

Lloyd's A+C.P.

+LMC 1,53 Oil Eng.

CL

22B171/b

(with torsional endorsement)

Note for S.R.L.

002602-002610-0020 3/3

CLASSIFICATION
 CERTIFICATES WRITTEN

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.)

tested in a trial trip. Vessel was docked at Burmeister & Wain, Copenhagen and undocked 5.1.53. Some slightly loose rivets in aft cofferdam renewed and tank tested as per attached sheet.

Sister vessel: M.t. "ASTRID ELISABETH", Uddevallavarvet AB, Yard No. 124, Gothenburg First Entry Report No. 19370.

Approved plans forwarded with the first entry report of sister vessel "Astrid Elisabeth", Yard No. 124.:

Afterpeak	Forepeak	Deeptank and dry cargo hold
Midship Section	Longitudinal Section and Plans	Sternframe
Rudder	Shell expansion	O.T. Transv. bhd's in cargo tanks
Webframes in cargotanks	Girders and webs in C.L.	Longitudinal frames II
Cofferdam bhd's and bhd's in wing tanks	Longitudinal bulkheads	Upper deck
Stringers and webframes in ER	Forecastle deck and bhd's	Engine room, tanktop, girder
Bridge deck and bhd's	Gangway	Engine casing
Poopdeck & Poopfront		

Approved plans forwarded now:

Afterpeak	Shell Expansion	Main cargo hatches
Midship Section	Rudder	O.T. transv. bulkheads
Longitudinal Section and Plans	Deeptank and dry cargo hold	Webs and girders in C.L.

As fitted plans forwarded now:

Midship Section	Longitudinal Section and Plans	Shell expansion
-----------------	--------------------------------	-----------------

Various material certificates also forwarded under separate cover.

PARTICULARS OF ELECTRIC WELDING (if employed) All welded with electrodes on the Society's List of Approved Electrodes.

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

Carrying Petroleum in bulk, Cruiser stern, Electrically welded, Radar, Direction finder, Echo sounding device, Gyro Pilot, Wireless, Longitudinal framing, Decca.

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. Mariner's Raytheon

State Name of Maker Pathfinder, Model 1402, and/or Supplier Serial No. 891.

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

1st Bower	Head	2896 kgs.	J.Q.	2828	L.R.	19.9.51	Shank	1606 kgs.	J.Q.	2831	L.R.
2nd "		2938 kgs.	J.Q.	2829	L.R.	19.9.51		1621 kgs.	J.Q.	2832	L.R.
3rd "		2868 kgs.	J.Q.	2830	L.R.	19.9.51		1611 kgs.	J.Q.	2833	L.R.
Stock		1401 kgs.	J.Q.	2834	L.R.	19.9.51					

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 109.7 ft., R.Q.D. --- ft., Bridge 41.5 ft., Forecastle 64 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 O Y O L Extreme Breadth over Belting --- Over-all Length 532' - 8".

No. and Material of Decks 1 deck (steel)

Parts of Bottom of Vessel coated with cement or approved composition Fresh water tanks 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) 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.	Salt Water Capacity. Tons.	Where Fitted.	Length. Feet.	Salt Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, Fr. 93 - WB		100
Double bottom, under Engines and Boilers,			After peak tank, FW		80
Double bottom, if under Engines only, FW Frs 12-28		90.2	Deep tank, aft, FO or WB Frs. 41-48	19.0	62
Double bottom, if under Boilers only,			Deep tank, forward, FO or WB, Frs. 79-89	22.5	36
Double bottom, forward,			Other tanks, if fitted, Counter FW		2
Total length (if continuous) and Capacity Frs. 12-48 95.3		264.7	Deep tanks aft in E.R. Frs. 8-15		11
L.O. in E.R. D.B. Frs. 24-41		42.8 M ³	F.W. tank aft in 'tween deck		9

Order for Special Survey No. 522

Date 23.11.1951

Dates of Surveys held while building

1952: April 15, 23, May 5, 8, 12, 14, 19, 26, 29, June 3, 16, 26, 30, 31, August 4, 14, 18, 25, 29, September 1, 4, 11, 15, 18, 22, 25, 29, October 1, 6, 9, 13, 17, 20, 22, 27, 30, November 6, 17, 20, 24, 27, December 1, 4, 8, 11, 15, 18, 22, 30.
1953: January 1, 2, 3.

Lloyd's Register Foundation