

Rpt. FROM ACCTS. 15/8
F.E. FROM ADMIN/E 12/8
PLANS RECD. 1/8
CERTS. RECD. 1/8
Date of completion of report 9th August 1958

STEEL STEAMER OR MOTORSHIP.

Received at London Office 11 AUG 1958

State of Report has been sent on the Freeboard of the Vessel Yes
State of Report is sent on the Machinery of the Vessel Yes

Port of Gothenburg No. 24300
Survey held at Gothenburg Date First Survey 29th November 1957 Last Survey 10th July 1958

Type (State of Machinery fitted Aft and of Single, Twin or Triple Screw) Single Screw Motor Tanker "S I G N E I N G E L S S O N" (Machinery fitted aft.)

Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling Tanker State Type of Erections Poop and Forecastle

GE under } 11310.84
ge Deck ... }
space or spaces }
in Tonnage Dk. }
Upper Dk. }
Tonnage 12614.95
or Tonnage 7303.54
REGISTERED DIMENSIONS.
FEET & Metr.
536.90 = 163.65
71.15 = 21.69
40.40 = 12.32
CLASS +100A1 State if with freeboard } No
as condition of Class } FEET
Length from fore part of stem to after part of stern } L 530' - 0"
post on summer L.W.L. See Sec. 3 (1a)
Breadth (greatest moulded) B 71' - 0"
Depth, at middle of length from top of keel to top } D 40' - 8"
of beam at side of uppermost continuous }
deck. See Sec. 3 (1a)
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 con- }
tinuous deck to top of keel }
Do. Long Bridge to }
top of keel }
Draught Moulded 30' - 3"

Built at Gothenburg
Launched 22nd April 1958 Yard No. 728
Builders A-B. Götaverken
Owners A-B. Transmarin
Managers Erik Larsson
(Where necessary to be entered in Reg. Book)
Residence Hälsingborg
Port of Registry Hälsingborg
If surveyed while building, afloat, or in dry dock
While building, afloat and on floating dock
(Ship docked on the 2nd - 5th June 1958)

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	Long framing See Rpt. 1 ⁺	/	Bracket Floors, Frame		
" " Frame No. 78	610	/	" " Reversed Frame		
" " from Collision bulkhead to Collision bulkhead	610	/	" " Vertical Struts		
" " in peaks			" " Aft part	2525 x 12.5	
DE FRAMING.	Long framing See Rpt. 1 ⁺	/	Centre Girder, depth and thickness amidships	1435 x 14	
Frame Amidships, Angle, [or]			" " top Angles	Welded	/
" " Extends up to			" " bottom Angles	Welded	/
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	2. 20 resp. 16	/
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	Tank top flush 14.5	/
Depth of Framing Girder			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Bracket abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side		
" " Third " " "			" " Bracket from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	Long framing See Rpt. 1 ⁺	/	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " in Peaks, [or]	250 90 11	/	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	Welded	/	Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	No	/	INNER BOTTOM PLATING, in Engine Room.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	/	Thickness of Middle Line Strake	14.5	/
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	/	Thickness of remainder	14.5	/
SINGLE BOTTOM.			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?	Yes	/
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	Long framing	/
Middle Line Keelson, on Floors, Angles, [or]			" " in way of Bridge, Angle, [or]	See Rpt. 1 ⁺	/
" " Through Plate or Inter-costal Plate			Spacing	attached	/
" " Foundation Plate on Floors			Second Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Third Deck, amidships, Angle, [or]		
" " thickness of Inter-costal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, [or]		
DOUBLE BOTTOM, in Engine Room.			Spacing		
Solid Floors, thickness and spacing	11.5 - 825	/	Poop Deck, Angle, [or]	200 90 10 and as appd. 825 and as appd.	/
" " Are Frame and Reversed Frame joggled?	No	/	Spacing		
Bracket Floors, breadth and thickness at middle line	None fitted	/	Bridge Deck, Angle, [or]		
" " breadth and thickness at margin plate			Spacing		
			Forecastle Deck, Angle, [or]	Forw. No. 95 180 90 10 610	/
			Spacing		

PILLARS AND DECKS.

[illegible]

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPED
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	1510	27.5	27.5	27.5	/			Inches.	Inches.		Inches.	Inches.	
„ Dblg. (if any)	--	--	--	--									
Bottom Plating, No. of Strakes 4.....	--	21.5	2 à 19.5	1 à 13	/								
Bilge Plating, No. of Strakes 1.....	--	21.5	--	--	/								
Side Plating, No. of Strakes 4.....	--	17.0	14.5	2 à 13.5 3 à 13.0	/								
Upper Deck, Sheer- strake 2210.....	2210	24.5	14.5	13.5	/	Welded	/			Welded	/		
Upper Deck, Sheer- strake in Bridge ...	--	--	--	--									
Strake below Sheer- strake in Wells	--	--	--	--									
Strake below Sheer- strake in Bridge ...	--	--	--	--									
Poop Side Plating.....	--	--	--	11.5	/								
Bridge Side Plating.....	--	--	--	--									
Forecastle Side Plating	--	--	2 à 11.5	--	/								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	17
Extending to Upper Deck (Sec. 3 c)_____	17
„ Deck next below_____	—
As per Rule_____	8

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Deps from App Plans to be
KEEL, Bar	Flat plate keel			✓
STEM	Steel plate			✓
STERN X { Propeller Post	Cast As per A-B.			
FRAME { Rudder "	and appd. Motala Fabr. plan Verkstad			✓
Speed of Vessel	15.5 knots			✓
RUDDER—Type X	Simplex			✓
" A × D.....	20.48 M ³			✓
✓ " Diam. of head X.....	364 mm.			✓
" Mainpiece at top pintle	340 mm.			✓
" " heel X.....	334 mm.			✓
" how constructed	Welded			✓
✓ " double wooden plate	13 mm.			✓
✓ " Coupling, vertical or horizontal	Horizontal			✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth or El. Furn.
A-B. Norrbottens Järnverk, Appleby-Frodingham Sttel Co., Dorman, Long (Steel), Ltd., Consett Iron Co.
Surahammers Bruks A-B., Det Danske Staalvalsevaerk A/S, Ruhrstahl A/G, S.A. de la Fabrique de Fer de
Charleroi, The Steel Co. of Scotland
Has the Steel been tested as required by the Rules? Yes

ANCHORS.

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.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.
3996	606.5	61.9	152044	212852	54710		602	62	Stud Link Spec. Steel	Ljusne-Worms AB	Makers' Works 13.11.57 Stig Walterson	6x24 TOWLINE 6x24 HAWSERS & WARPS	238	61 1/2	107.4	130	61 1/2	
													5x201	3 1/4	28.9	5x110	3	
Stream n or Wire																		

Builder's Signature

AKTIEBOLAGET GÖTAVERKEN

Hills Pressdon

Ship has been built under Special Survey in conformity with the Society's Rules and Regulations and the Secret-
letters. The scantlings and arrangements of the ship are as given in the report and are as shown and amended
approved plans forwarded. All modifications or additions to the original approved arrangements made during
construction have been indicated on the plans and have been approved as being in accordance with, or by standards
ent to, the Rule requirements. The plans of Midship section, Longitudinal Section and Plans, and Shell Expan-
wing the ship as built now forwarded herewith, have been checked with the approved arrangements and found in
The material and workmanship are of good quality. All tanks, cofferdams, decks and bulkheads have been tested
dence with the Rules and found satisfactory. The windlass, steering gear, bilge pumping arrangements and
os have been tested and found in order. The assigned freeboards have been marked on the sides of the ship,
and cut in. The ship is constructed to carry petroleum in bulk, oil fuel or water ballast in forward part
bottom under engine, after peak, wing tanks at forward end of engine room and forward deep tank. The flash
of the oil fuel is above 150°F. Lubricating oil is carried in the centre portion of the engine room double

P.T.O.

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

Whether the Vessel has been built under Special Survey Yes

I am of opinion the Vessel should be Classed +100A1
Carrying Petroleum in bulk
Longitudinal framing - El.welded

ite to be sent to Gothenburg Date of issue

Signature *W. H. Wood*
Surveyor to Lloyd's Register of Shipping.

nittee's Minute

FRIDAY - 5 SEP 1958

character assigned

† 180 A1 Carrying Petroleum in Bulk

LACP DS 6.58

+LMC

ES } 7.58
DBS }
TS CL }

NOTED FOR
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Lloyd's Register
Foundation

 $0266\frac{2}{4}$

Rpt. 9a

Port of Gothenburg.

Continuation of Report No. 24300

dated the 9th August, 1958, on the

Hull of the Motor Tanker "Signe Ingelsson", of Hälsingborg, No.44708 in the Register Book Supplement.

Approved plans, forwarded under separate cover:

Midship section

Longitudinal section and plans

Shell expansion

Sections and plans in the fore part of the ship

Sections and plans in the after part of the ship

Sternframe and rudder.---

See also approved plans for the Sister ships.

Certificates, forwarded under separate cover:

Stern tube

Rudder shaft

Sternframe

Rudder head

Rudder

Davits.-

Rudder coupling

Certificates on P-403 material.

Rise of floors = 40 mm.

Note:

At the request of the Builders part of the survey was carried out by Ove Nilsson on Monday the 2nd June, 1958, between 18:00 and 20:30 o'clock.

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 the Plans should be embodied.)

bottom. The requirements of Section 20 of the Rules have been complied with. Fresh water is carried in counter tanks above after peak tank and after part of double bottom tanks in engine room. Water ballast is carried in fore peak tank. - Steel which has been approved under P-403 has been manufactured by S.A. de la Fabrique de Fer de Charleroi and Ruhrstahl A.G. and built in as follows:

- 1.- Keel strake Nos. $43\frac{1}{2}$ - $75\frac{1}{4}$.
- 2.- Bottom shell Nos. $46\frac{1}{2}$ - $71\frac{1}{2}$.
- 3.- Sheer strake Nos. 37 - 44 and Nos. $71\frac{3}{4}$ - $73\frac{3}{4}$.
- 4.- Stringer strake Nos. $35\frac{1}{2}$ - 74.
- 5.- Deck doublings around pump room casings and cargo hatches.
- 6.- Deck longitudinals (305 x 22 mm).

Steel which has been approved under P-701 has been manufacture by S.A. de la Fabrique de Fer de Charleroi, and been built in in rounded sheerstrake Nos. 44 - $72\frac{1}{2}$ and bilge strake Nos. $46\frac{1}{2}$ - 72 (See copy of Shell expansion Deck plan).

Sister Ships:

M/T "Marieborg", A-B. Götaverken Yard No. 709, Gothenburg First Entry Report No. 22880,
M/T "Harry R. Trapp", " " " " 717, " " " " 23610.

As fitted plans forwarded under separate cover:

Midship Section
Longitudinal Section and Plans
Shell expansion
Capacity plan

(Continued)

PARTICULARS OF ELECTRIC WELDING (if employed) Ship electrically welded except for the side frames at ends. The methods employed and the electrodes used are in accordance with the Rules.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
+100A1 Carrying Petroleum in bulk, Longitudinal framing. Electrically welded, Cruiser stern, Machinery aft, Echo sounding device, Direction finder, Gyro Compass and Gyro Pilot, Radar, Decca Navigator, and Lloyd's A & CP.

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Type 2 C. Serial
State Name of Maker Kelvin & Hughes, Ltd.
of ~~and for~~ ~~Supplier~~

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Head:	3416 / H.D.	6179	5.2.58	Shank:	1861 H.D.	6183	5.2.58
	2nd	"	3415 / H.D.	6180	5.2.58		1868 H.D.	6184	5.2.58
	3rd	"	3367 / H.D.	6181	5.2.58		1862 H.D.	6182	5.2.58

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 107.5 ft., R.Q.D. --- ft., Bridge --- ft., Forecastle ---

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

Official No. 9849 Signal Letters S F A N Extreme Breadth over Belting 71' 2" Over-all Length 557' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 deck (steel)

Parts of Bottom of Vessel coated with cement or approved composition Fore peak tank, Double bottom fresh water 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 in the lengths of the tanks.)

Where Fitted.	Length. Feet.	Salt Water Capacity. Tons.	Where Fitted.	Length. Feet.
Double bottom, aft, Nos. 10 - 45		318.8	Fore peak tank,	
Double bottom, under Engines and Boilers,			After peak tank, Nos. 1 - 10	
Double bottom, if under Engines only,			Wing tanks aft, Nos. 40 - 45	
Double bottom, if under Boilers only,			Deep tank, forward, Nos. 78 - 94	
Double bottom, forward,			Other tanks, if fitted, Stern tank	
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)	
Lubricating oil carried in the centre portion below the engine		65.0 M ³	F.W. Tanks above APT Nos. 1 - 12	

Order for Special Survey No. 660

Date 27.8.1956

Dates of Surveys held while building

1957: November 29, December 2, 3, 4, 10, 17.
1958: January 9, 13, 15, 17, 20, 22, 23, 27, 29, February 6, 12, 20, 26, 28, March 2, 3, 4, 11, 21, 24, 27, 31, April 2, 9, 10, 11, 17, 18, 21, 22, 25, 29, May 2, 4, 5, 8, 9, 12, 13, 16, 17, 19, 20, 21, 22, 23, 23, 27, 27, 28, 28, 28, 29, 29, 29, 30, June 2, 2, 2, 3, 3, 4, 4, 17, 19, 24, 25, July 2, 2, 7, 8, 9, 10.

Total No. of Visits

Lloyd's Register Foundation

PARTICULARS OF LONGITUDINAL FRAMING

FRAMING		AMIDSHIPS		ENDS		Any Departure from Approved Plans to be Noted.	RIVETING				
		In Ship. mm.		A= No. 39-40 F= No. 89-90 In Ship. mm.			Rivets in Longitudinal Frames. Diam. Ins. Speng. Ins.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads. Number. Diameter. Inches.		
ng of L, L or C		XXXXXXXXXXXX		XXXXXXXXXXXX							
is in Bridge 'tween Decks ...											
is from Uppermost Continuous Deck											
O-A No. 1-2		225x90x11	T	A. 170x90x9 F. 150x75x9	T	/					
Z		225x90x11		A. Stringer F. 150x75x9		/					
Y-V		250x90x13		A. 180x90x13 F. 150x90x10		/					
(Stringer) U		160x12+90x150x12		A. Platform F. Deck		/					
T-S		315x130x12 Fl.pl.		A. 250x90x13 F. 225x90x10		/					
R		315x130x12		A. 250x90x13 F. 250x90x11		/					
(Stringer) Q		260x12+90x150x12		A. 290x130x12 Fl.pl. F. 250x90x11		/					
P		375x130x12 Fl.pl.		A. 290x130x12 Fl.pl. F. 250x90x11		/					
O		375x130x12		A. Tanktop F. 250x90x11		/					
N		375x130x12		A. Transv. Framing F. "		/					
M		420x12+160x15		A. " F. "		/					
L-G, E-A		455x12+240x15		A. " F. "		/					
13											
14											
15											
16											
Sides		775									
btm.		900									
acing of longitudinal frames		At Ends		As Approved.							
Tank Top Longitudinals											
Bottom											
Longitudinals		Amidships									
		At ends...									
Transverses.											
Decks)		Z		Z							
Depth and Thickness		1300x11		1300x11		/					
Face Angles		200x90x125		150x90x14		/					
Lugs to Shell*		Welded.		Welded.		/					
Depth and Thickness		1800x11		1270x12		/					
Face Angles		150x90x13		300x24		/					
Lugs to Shell*		Welded		Welded.		/					
Back Bars											
Brackets		As approved.		As approved.		/					
ng of Transverse Frames...		3460		3460		/					
State if joggled or liners.											
inal of		Bridge Deck...									
Upper Centre		305x22 Fl.B.									
Upper Sides		305x22 Fl.B.									
Forecastle		170x90x9									
Thickness											
Spacing.											
Transverse Beams.											
Plate.		1100x11		250x90x13		/					
Face Angles.		930x11		150x90x13		/					
Any departure from Approved Plans to be Noted.		350x10		150x90x10		/					

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.