

STEEL STEAMER or MOTORSHIP.

Received at London Office 26 AUG 1929

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 *24th Aug. 1929* Port of *Malmö* No. *931*
Survey held at *Malmö* Date First Survey *19th Sept. 1928* Last Survey *17th August 1929*
On the *Irwin Screw Steel Motorships "SVEADROTT" (Machinery amidships)*
State Type *Complete superstructure with tonnage opening* State Type of Erections *Prop & Eke*

TONNAGE under Tonnage Deck...)	<i>4091.25</i>	CLASS <i>10071</i>	State if with freeboard as condition of Class	<i>Yes</i>	Built at	<i>Malmö</i>
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	<i>395.0</i>	Launched	<i>16th May 1929</i> Yard No. <i>161</i>
al		Breadth (greatest moulded)	B	<i>54.5</i>	Builders	<i>Hockhorns Mek. Verkst. Aktiebol.</i>
ss Tonnage	<i>4741.89</i>	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)	D	<i>36.83</i>	Owners	<i>Hockhorns Redovisaktiebol. Sora</i>
ister Tonnage	<i>2718.92</i>	1st Longitudinal Number (L x D)		<i>14549</i>	Managers	<i>A. Ericsson</i>
REGISTERED DIMENSIONS.		2nd Numeral L x (B + D)		<i>36077</i>	(Where necessary to be entered in Reg. Book.)	
Length	<i>392.23</i>	Framing Depth "d," at middle of length. See Sec. 3 (1d)		<i>16.33</i>	Residence	<i>Stockholm</i>
eadth	<i>54.89</i>	Proportions—Depth to Length—Uppermost con- tinuous deck to top of keel		<i>10.58</i>	Port of Registry	<i>Stockholm</i>
pth	<i>24.41</i>	Do. Long Bridge to top of keel		<i>✓</i>	If surveyed while building, afloat, <i>and</i> in dry dock	<i>Yes.</i>
		Draught Moulded		<i>25' - 6 1/2"</i>		

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. 7/16.			Any Departure from Approved Plans to be Noted.		
FRAMES, Spacing amidships	30"		✓		Bracket Floors, Frame	BA	180	90	8.5	✓	
" " from 1/2 length to Collision bulkhead. <i>128-145</i>	27"		✓		" " Reversed Frame	BA	165	95	8.5	✓	
" " in peaks	25" 7/16		✓		" " Vertical Struts	E	260	90	90	10-14	✓
IDE FRAMING.	250	90	11	✓	Centre Girder, depth and thickness amidships		1219	13.5		✓	
Frame Amidships, Angle, E or C	320	100	13	✓	" " top Angles	Double	90	90	13.5	✓	
" " Extends up to	3 rd deck 2 nd			✓	" " bottom Angles	Double	100	100	15	✓	
Reversed Frame Amidships, Angle					Side Girders, No. each side and thickness		1	10		✓	
" " Extends up to	250		✓		Margin Plate depth (excl. of flange) and thickness		1100	13.5		✓	
Depth of Framing Girder	320		✓		" " Vertical Angle to Tank side		150	150	13-10.5	✓	
Intermediate Frames abaft 22 L	130	75	9.5	✓	Bracket abaft 1/2 len. from stem		90	90	10.5	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	200	75	9	✓	" " Vertical Angle to Tank side		150	150	13	✓	
Alternate frame 22-124 omitted.	200	75	9	✓	Bracket forward 1/2 len. from stem		150	150	15	✓	
" " Second 'tween Decks, Angle, E or C	200	75	9	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		140	140	13	✓	
" " Third " " " "					" " Gussets, spacing and scantling forward 1/2 len. from stem		160	160	18	✓	
Framing in Peaks, Angle or C	200	75	9	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		1800	12.5		✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	22	145	✓		INNER BOTTOM PLATING.						
State if Frame Joggled	<i>except in peaks</i>				Breadth and thickness of Middle Line Strake ...		2100	12.5	✓		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>As per Section 7B.</i>				Thickness of remainder in Holds		11-10.5		✓		
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	<i>As per app. plans.</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>		✓		
SINGLE BOTTOM.					BEAMS.		230	90	12	✓	
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle, E or C		200	75	11.5	✓	
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, E or C					✓	
Middle Line Keelson, on Floors, Angles, C or C					Spacing		Every Frame.		✓		
" " Through Plate or Intercoastal Plate ...					Second Deck, amidships, Angle, E or C		280	90	12	✓	
" " Foundation Plate on Floors					Spacing		230	90	10	✓	
" " Flat Plate Keel Angles					" " "		Every Frame.		✓		
Side Keelsons, No. each side					Third Deck, amidships, Angle, E or C		280	90	11	✓	
" " thickness of Intercoastal Plate...					Spacing		200	75	13-11.5	✓	
" " Angles					" " "		Every Frame.		✓		
DOUBLE BOTTOM.					Fourth Deck, amidships, Angle, C or C					✓	
Solid Floors, thickness and spacing	10.5	Ev. 3 rd Fr.	✓		Spacing					✓	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		✓		Poop Deck, Angle, E or C		165	75	10	✓	
Bracket Floors, breadth and thickness at middle line	820	10.5	✓		Spacing		Every Frame.		✓		
" " breadth and thickness at margin plate	840	10.5	✓		Bridge Deck, Angle, C or C					✓	
					Spacing					✓	
					Forecastle Deck, Angle, C or C		180	75	11	✓	
					Spacing		Every Frame.		✓		

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
	1/11				1/11		
PILLARS, No. of Rows	As per			Stringer Plate, breadth and thickness in way of Bridge			
„ in 'tween Decks, Size and Spacing.....	Appr. plan			Thickness of Plating abreast Deck openings in way of Wells.....	9		
„ „ „ „ No. 3 Hold.	2-	250 10	✓	Thickness of Plating abreast Deck openings in way of Bridge			
„ „ „ „	2-	275 12	✓	Thickness of Plating within line of openings..	8		
„ in Holds No. 3 „ „	2-	325 13.5	✓	If Sheathed, material and thickness			
„ „ Motor Space. „	2-	400 14	✓	Third Deck.			
Centre Line Bulkhead: In 'tween Decks.	4L	130-130-12	✓	Stringer Plate, breadth and thickness.....	1460	8.5	✓
Stiffeners and Spacing... 11. Me. 1. d. s.	L	140 75 9	✓	If Plated, state thickness.....	7.5		✓
Plating, thickness of In 'tween Decks	L	300 90 13	✓	Fourth Deck.			
		230 90 11	✓	Stringer Plate, breadth and thickness.....			
		Alter 7. Fr.		If Plated, state thickness			
		7.5		Poop Deck.			
STRINGERS AND DECKS.		6.5		Stringer Plate, breadth and thickness	7.5		✓
Uppermost Continuous Deck.				Plating, Sheathing, material and thickness ...	6.5		✓
Stringer Plate, breadth and thickness in Wells		14.75 13.5	✓	Bridge Deck.			
„ „ „ „ in way of Bridge				Stringer Plate, breadth and thickness.....			
„ Angle in Wells	150	150 13.5	✓	Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Wells		11.5	✓	Forecastle Deck.			
Thickness of Plating abreast Deck openings in way of Bridge				Stringer Plate, breadth and thickness	9		✓
Thickness of Plating within line of openings...		9	✓	Plating, Sheathing, material and thickness ...	8.5		✓
If Sheathed, material and thickness							
Second Deck.							
Stringer Plate, breadth and thickness in Wells ..	1300	11-10	✓				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES State if jogged? <i>No</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	<i>1305</i>	<i>19.5</i>	<i>17</i>	<i>17.5</i>		<i>Double</i>	<i>25</i>	<i>95</i>	<i>4</i>	<i>25</i>	<i>100</i>	<i>Lapped.</i>
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ...3.....	<i>2140</i>	<i>14.5</i>	<i>14.5</i>	<i>12.5-14.5</i>	{	<i>"</i>	<i>22</i>	<i>85</i>	<i>3</i>	<i>22</i>	<i>80</i>	<i>"</i>
BILGE PLATING, No. of Strakes ...2.....	<i>2100</i>	<i>14.5</i>	<i>11.5</i>	<i>14.5</i>		<i>"</i>	<i>22</i>	<i>85</i>	<i>3</i>	<i>22</i>	<i>80</i>	<i>"</i>
SIDE PLATING, No. of Strakes ...3.....	<i>1510</i>	<i>14.5</i>	<i>11.5</i>	<i>13-14.5</i>		<i>"</i>	<i>22</i>	<i>85</i>	<i>3</i>	<i>22</i>	<i>80</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>2060</i>	<i>14.5</i>	<i>11.5</i>	<i>11.5-14.5</i>		<i>"</i>	<i>22</i>	<i>85</i>	<i>3</i>	<i>22</i>	<i>80</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>1745</i>	<i>17</i>	<i>11.5</i>	<i>11.5</i>		<i>"</i>	<i>22</i>	<i>85</i>	<i>4</i>	<i>22</i>	<i>90</i>	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...												
STRAKE BELOW Sheer-strake in Wells.....	<i>2055</i>	<i>15</i>	<i>11.5</i>	<i>11.5</i>		<i>"</i>	<i>22</i>	<i>85</i>	<i>3</i>	<i>22</i>	<i>80</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING				<i>9.5</i>		<i>Single</i>	<i>19</i>	<i>75</i>	<i>1</i>	<i>19</i>	<i>65</i>	<i>"</i>
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING				<i>10.5</i>		<i>"</i>	<i>19</i>	<i>75</i>	<i>1</i>	<i>19</i>	<i>65</i>	<i>"</i>

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)..... 1							
,, Deck next below..... 6							
As per Rule. 1 to U.D. 5 to 2nd Dk. ✓							
		Plating Thickness.	STIFFENERS.				
		7/16	VERTICAL.	HORIZONTAL.			
Frame		7/16	Scantlings.	Spacing.			
MIDSHIP BULKH'D, Upper between decks		8-6.5	130-75-90	610	2nd Deck.		
,, Second		7-6.5	130-75-85	725-765			
,, Third		11-5-7	280-90-135	825			
,, Holds		11-5-7	230-90-117	725-765			
COLLISION		12.5-8	280-90-12	610	1st BOX BEAM		
AFTER PEAK		9-8	200-90-115	610			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open heart process.*
Entschaffnungshütte, Walzwerk Oberhausen. Vereinigte Stahlwerke.

Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 37147												LETTER Z	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.	Cwts.			
1330	1st Bower ...	65	2	1								63 3/4			
1331	2nd " ...	64	0	10				51	0	0	0	63 3/4	Halls Patent.	N. K. P. F.	Oct. 4-4-29 P.F.W.
1332	3rd " ...	54	2	0				45	1	0	0	54 1/2	" "	" "	" " "
	Collective weight.	184	0	11								182			
1333	Stream	18	2	25	4	3	0					18 1/2	Common Hook.	" "	" " "

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Owts. qrs. lbs.	Owts.	Fathoms.	Ins.						Extr. Flx.	Fathoms.	Ins.	Tons.	Fathoms.	Ins.
381	270 1/2	2 1/4	9 1/8	12 7/8	745 3 21	682 1/4	270	2 1/4	Stud link	C. Schlieper.	Düss. 25-7-28 J.G.		SW. TOWLINE...	120	4 1/2	59	120-5		
													SW. HAWSERS & WARPS	2x 90	2 3/4	15 1/2	2x 90-2 3/4		
													SW. Hemp	2x 90	2 1/2	12 9/10	2x 90-2 1/2		
													"	4x 90	8				
Extr. Flx. Iron Steam Chain Steel Wire	90	4 1/4		52 1/2			90	4 1/4	3/4										

Steering Gear, Steam *Electro-Hydr. Brown Bros. & Co. Ltd. Double.* Steering Gear, Hand *None.*
 Boats *4 life boats* Steering Chains, Size and Test *✓* Windlass *Electr. Emerson Walker Ltd.*
 Ceiling in Holds, thickness and material *2 1/2" Swed. Pine.* Cargo Battens, thickness, material and spacing *2" Sw. Pine. Spacing 8"-9" E to E.*
 Cargo Hatchways. (Upper Deck) *Steel coamings Sides 12 1/4" Ends 11"* Thickness of Hatches *2 7/8"-2 3/8"*
 Size of No. 1 Hatchway (Forward) *31'-6" x 20'-0" No. 2 32'-6" x 20'-0" No. 3 22'-6" x 19'-0" No. 4 30'-0" x 20'-0" No. 5 30'-0" x 20'-0" No. 6* ✓
 Number of Shifting Beams and/or Fore and Afters *5 in No. 1, 2, 4 & 5. 3 in No. 3 (On boat deck).*

KOCKUMS MEKANISKA VERKSTADS
AKTIE-BOLAG

Builder's Signature

G. Kurotz

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *Yes* (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.

In double bottom tanks and in tunnel side tanks in way of No. 5 hold. F.P. above 150° F.

This vessel has been built under special survey in accordance with the approved plans and all the Rule requirements have been complied with.

The materials used in the construction of the vessel and the workmanship are good.

All double bottom tanks, cofferdams, peak and tunnel side tanks have been tested as required by the Rules.

The watertight bulkheads, shaft tunnels and decks have been tested by water from a hose and found tight.

The freeboard has been verified and cut in on the vessel's sides.

Forgings and castings as per forging reports attached.

The amount of Entry Fee £ *145.60* Fees applied for, *24th Aug. 1929*
 Special Survey Fee.... £ *5680.22* Received by me, *9.8.29*
Freeboard 182.00
 Travelling Expenses, if any £ : : *666*

I am of opinion the Vessel should be Classed *100A1* With Freeboard.

State whether the Vessel has been built under Special Survey *Yes*

Signature

Asunden

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Surv. Office, Malma* Date of issue *3/9/29*

Committee's Minute

TUE. 3 SEP 1929

Character assigned

see minute on Oslo Rpt 3350



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Lloyd's Register
Foundation

002385-002400-0235712

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.*)

Plans of the vessel as built, 4 in number, i.e. Midship section, Profile and plans, after peak and Fore peak also the following approved plans are forwarded under separate cover:-

Midship Section.

Profile & plans.

After peak.

Painting arrangement & collision bulkhead.

W. T. Enckredts.

Shell expansion.

Arrangement of motor room.

Engine seatings.

Peckham's annidships.

Boat deck.

Trunked hatchway.

Stern frame and rudder.

Shaft brackets.

Arrangement of gussets and tankside brackets.

Arrangement for securing hatch covers. (von Tello's patent).

Certificates: -

Stern frame.

Ryder

Shaft brackets.

Boat davits.

Electro Hydraulic Steering Gear.

6 in all.

Note:- My recommendation as to this vessel's class is subject to a tower anchor, N.V. cert. No. 5457 weighing 3328 kg. has been placed onboard at Oslo as arranged. See Secretary's letter, initialed S. of the 26th instant.

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

1st Bower

21

2nd

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31.833 ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 39.92 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1st dk (Pl.) & Shelter dk (Pl.) 3rd dk (Pl.)
in Nos. 1 & 3 holds.

Official No. 7554

: Signal Letters

Is bottom of Vessel coated with cement No if not give

particulars of composition *Current in peaks and tunnel well.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	110		Fore peak tank,	21	105.4
Double bottom, under Engines and Boilers,			After peak tank,	21	119.7
Double bottom, if under Engines only,	343.5	55	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	178.5		Other tanks, if fitted, <i>Tunnel side tanks aft.</i>		74.6
<i>incl. cofferdams and lubr. oil tanks.</i>	Total capacity of double bottom	1400.9	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 56

Date 30th Jan., 1928.

Dates of Surveys held while building

1919, 21/10, 21/11, 20/11, 12, 31/2, 10/12, 12/12, 13/12, 20/12, 28/12, 29/12, 31/12, 14/28, 2/1, 4/1, 7/1, 10/1, 17/1, 18/1, 23/1, 26/1, 27/1, 30/1, 1/2, 4/2, 6/2, 7/2, 11/2, 23/2, 25/2, 27/2, 28/2, 29/2, 31/2, 2/3, 24/3, 27/3, 3/4, 6/4, 9/4, 10/4, 11/4, 13/4, 17/4, 19/4, 20/4, 22/4, 24/4, 25/4, 26/4, 27/4, 29/4, 29/4, 2/5, 4/5, 6/5, 7/5, 10/5, 13/5, 17/5, 16/5, 28/5, 3/6, 6/6, 7/6, 11/6, 15/6, 27/6, 28/6, 1/7, 4/7, 23/7, 24/7, 30/7, 2/8, 9/8, 12/8, 14/8, 15/8, 16/8, 17/8 - 1929.

Total No. of Visits

83