

Rpt. 1.

## STEEL STEAMER or MOTORSHIP.

JUN -1 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

31st May, 1937

Port of

Malmö

No.

1577

Survey held at

Malmö

Date First Survey

19th August, 1936

Last Survey

29th May, 1937

1937

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

Single screw motor tanker "REALF"

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

Full Scantling, Longitudinal framing, Bracketed top system

State Type of Erection: Prop. Bridge &amp; Deck

TONNAGE under Tonnage Deck

7443.66

CLASS 102A1

State if with freeboard as condition of Class

No

Built at

Malmö

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 460.0

Launched

13th March, 1937

Yard No.

194

Total

Breadth (greatest moulded)

B 59.5

Builders

Kockmans Mekan. Verkstads AB.

Gross Tonnage

8083.10

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 33.83

Owners

A/S Asplund Asplund

Register Tonnage

4741.34

1st Longitudinal Number (L x D)

15562

Managers

G. Rönnerberg &amp; Juno Fr. Galtberg

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

2nd Numeral L x (B + D)

42932

Residence

Malmö

## REGISTERED DIMENSIONS.

FEET.

Length

467.6 04.485

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

13.3

Port of Registry

Malmö

Breadth

59.8

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

27'-2 5/8"

If surveyed while building, afloat, <sup>2</sup> in dry dock

Yes

Depth

34.6

Draught Moulded

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b> <i>Longitudinal framing</i>			<b>Bracket Floors, Frame</b>		
" " from 1/2 length to Collision bulkhead			" " Reversed Frame		
" " in peaks	24	✓	" " Vertical Struts		
" " " D.B. under motor room	30	✓	<b>Centre Girder, depth and thickness amidships</b> <i>Im motor space</i>	60	54-46 ✓
" " " Sump tanks fwd.	27	✓	" " top Angles <i>Double</i>	90	90 12.5 ✓
<b>SIDE FRAMING.</b>			" " bottom Angles	150	150 14 ✓
Frame Amidships, Angle, [ or ]	See Rpt. 1 *		" " bottom Angles	130	130 14 ✓
" " Extends up to			<b>Side Girders, No. each side and thickness</b>	3	42 ✓
<b>Reversed Frame Amidships, Angle</b>			" " + 1/2 hgt. m. wing		✓
" " Extends up to			<b>Margin Plate depth (excl. of flange) and thickness</b>	54	✓
<b>Depth of Framing Girder</b>			" " Vertical Angle to Tank side		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>			" " Bracket abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side		
" " Third " " "	150	150 12.5 ✓	" " Bracket forward 1/2 len. from stem		
<b>Framing in Peaks, Angle [ or ]</b>	200	90 12.5 ✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	See Rpt. 1 *		" " Gussets, spacing and scantling forward 1/2 len. from stem		
<b>State if Frame Joggled</b>	Yes	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	As per appr. plan.	✓	<b>INNER BOTTOM PLATING, Motor space</b>		
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	As per appr. plan.	✓	Breadth and thickness of Middle Line Strake	69 1/2	52 ✓
<b>SINGLE BOTTOM.</b>			Thickness of remainder in <i>Holds Motor space</i>	52	✓
Floors, Depth and thickness at mid-line in Holds			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in <i>Motor space</i>	Yes	✓
Height of Brackets at side above base line at toe of frame			<b>BEAMS.</b>		
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>			<b>Uppermost Continuous Deck, amidships</b>		
" " Through Plate or Intercoastal Plate	As per appr. plan.	✓	" " in Wells, Angle, [ or ]		
" " Foundation Plate on Floors			" " in way of Bridge, Angle, [ or ]		
" " Flat Plate Keel Angles			" " Spacing	200	75 10 ✓
<b>Side Keelsons, No. each side</b>			<b>Second Deck, amidships, Angle, [ or ]</b>	200	90 12 ✓
" " thickness of Intercoastal Plate			" " Spacing	280	90 13.5 ✓
" " Angles			<b>Third Deck, amidships, Angle, [ or ]</b>		
<b>DOUBLE BOTTOM. In motor space.</b>			" " Spacing		
Solid Floors, thickness and spacing	42 30	✓	<b>Fourth Deck, amidships, Angle, [ or ]</b>		
" " Are Frame and Reversed Frame joggled?	Yes	✓	" " Spacing		
<b>Bracket Floors, breadth and thickness at middle line</b>			<b>Poop Deck, Angle, [ or ]</b>		
" " breadth and thickness at margin plate			" " Spacing		
			<b>Bridge Deck, Angle, [ or ]</b>		
			" " Spacing		
			<b>Forecastle Deck, Angle, [ or ]</b>		
			" " Spacing		



PILLARS AND DECKS.					
PILLARS. No. of Rows.....	Inches in Ship.				
<i>in Tween Decks Size and Spacing -</i>					
" Bulkhead stiffeners no. 1-2	230	90	11	✓	
" " " " 2A-4	250	90	11	✓	
" " " " 5-6	280	90	12	✓	
" <del>in Hold</del> " " 7	280	90	13	✓	
" " " " 8	300	90	13	✓	
" " " " 9 & 12	300	90	13.5	✓	
" " " " 10	300	90	14.5	✓	
Centre Line Bulkhead. " 11	300	90	14	✓	
Stiffeners and Spacing.....	.49	.44	.41	✓	
Plating, thickness of .....	.28	.29	.42	✓	
<b>STRINGERS AND DECKS.</b>					
<b>Uppermost Continuous Deck.</b>					
Stringer Plate, breadth and thickness in Wells	83	.67	✓		
" " " " in way of Bridge	83	.77	✓		
" Angle in Wells <i>&amp; Poop Room.</i>	150	150	17.5	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.67	✓			
Thickness of Plating <del>abreast Deck openings</del> in way of Bridge .....	.67	.50	✓		
Thickness of Plating within line of openings...	.50	✓			
If Sheathed, material and thickness .....					
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells...	63 1/2	.45	✓		
Stringer Plate, breadth and thickness in way of Bridge .....					
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 .....					
<b>Third Deck.</b>					
Stringer Plate, breadth and thickness .....					
If Plated, state thickness .....					
<b>Fourth Deck.</b>					
Stringer Plate, breadth and thickness .....					
If Plated, state thickness .....					
<b>Poop Deck.</b>					
Stringer Plate, breadth and thickness .....	38-46	.37	✓		
Plating, Sheathing, material and thickness .....	.28	.32	Sheathed	✓	
<b>Bridge Deck.</b>					
Stringer Plate, breadth and thickness .....	72	.43	✓		
Plating, Sheathing, material and thickness .....	.28	.34	Sheathed	✓	
<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness .....		.37	✓		
Plating, Sheathing, material and thickness .....		.56	✓		
		.26	✓		

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 OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing ft. to ft.		Diam.	Spacing ft. to ft.	
	Inches.	Inches.	Inches.	Inches.								
FLAT PLATE KEEL .....	50 1/2	1.01	94-80	94-80	✓	Double	28	115	Three	28	115	Strapped
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes .....	B-9 70 1/8-81 3/4	.60 .65	76-52	50-67	✓	{	22	90	Four	22	90	Lapped
BILGE PLATING, No. of Strakes .....	75 1/2	.66	54	66	✓		22	90	"	22	90	"
SIDE PLATING, No. of Strakes .....	51-81 1/2	.62	48	47-67	✓		22	80	"	22	90	"
UPPER DECK, Sheer-strake in Wells .....	66 1/2-71	.92	52-68	56-48	✓		25	90	Three	25	100	Strapped
UPPER DECK, Sheer-strake in Bridge & Truss Work	70 1/2	1.09			✓		25	90	"	28	115	" "
STRAKE BELOW SHEER-strake in Wells .....	69	.78	56-68	50-48	✓	"	25	90	Four	25	100	Lapped
STRAKE BELOW SHEER-strake in Bridge			40-		✓	Str. Front	19	75	Four	19	65	"
POOP SIDE PLATING .....			44-48		✓	Single	19	75	One	19	65	"
BRIDGE SIDE PLATING ...	43-51				✓	"	22	90	Four	22	80	"
FOREC'TLE SIDE PLATING			43		✓	"	19	75	One	19	65	"

Total No. of W.T. BULKHEADS in Vessel— 16 ✓  
 Extending to Upper Deck (Sec. 3 c) 10 (at ship's orders)  
 " Deck next below 6 ( " " " )  
 As per Rule ✓

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....				
STEM .....				
STERN FRAME	Propeller Post			
	Rudder ..			
RUDDER—A x D x T.				
Speed of Vessel .....				
RUDDER	main piece at head			
"	"			
"	how constructed			
"	double or single plate coupling, vertical or horizontal			

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<i>Summer tanks</i>				165 = 75 × 105	
<b>MIDSHIP BULKHEAD</b>	Upper tween decks	34 - 36	One rib	180 = 75 × 95	
	<i>Mid. Cofferdam</i>	37 - 55	Two ribs	180 = 75 × 10	
"	"			202 = 90 × 14	
"	"	49-44-41	Two ribs	180 = 75 × 10	
"	"	38-26-37		15' - 4" = 6' 2"	
"	Holds	39 - 51	120 = 65 × 75	5	865
<b>COLLISION</b>	(in Hold)	43 - 64	280 = 75 × 10	5	760
<b>AFTER PEAK</b>		30 - 20	165 = 75 × 85	5	610
				230 × 90 × 11	5

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*

STEEL. *Mannesmann-Rohr-Werke. Augsburg.*  
*Griffiths & Sons, Ltd., Walsby, Oldham and New Oldham.*

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

EQUIPMENT No. 44463 ✓												LETTER C ✓		ANCHORS.	
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 33.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
2090	1st Bower ...	78	1					57	17	2	0	77	"Union"	D.U.D.	Sept. 22-2-27 J.Q.
2091	2nd ...	79	0	20				58	6	1	0	77	"	"	" " "

Kochmans Yard No. 194 "REALF"

[illegible]

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

1m.10.23, T. Note: Scatchings at ends (R & F) are in way of more space and hold forward.

17

long john m. ...





EQUIPMENT No 44465.												LETTER C+	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.				
2090	1st Bower	78	1	1	✓			57	17	2	0	77	"Union"	D.U.D.	Port. 22-2-37 J.Q.	
2091	2nd "	79	0	23	✓			58	6	1	0	77	"	"	" " "	
2092	3rd "	66	1	13	✓			51	6	1	0	65 1/2	"	"	" " "	
	Collective weight.	223	3	9	✓							219 1/2	✓			
2093	Stream	22	0	19	✓	5	3	11	22	11	1	0	22	Common 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.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.	Length.
3619	300	2 3/16	106 9/10	149 9/8	934	3	10	890	1/4	300	2 3/16	Stand. S.W. cable, Schiedam.	Antoni & Hutton, Schiedam.	Port. 15-3-37 A.B.	S.W. TOWLINE	130	5 1/4	77.5	130	5 1/4
															S.W. HAWERS & WARPS	4x100	2 3/4	15.4	4x100	2 3/4
Stream Chain Steel Wire	120	5		52.8						120	5				"					

Steering Gear, Steam *Electric by dr. Kockums M. V. 903.* Steering Gear, Hand *Kockums M. V. 903.*

Boats *4 Lifeboats* Steering Chains, Size and Test *✓* Windlass *Steam. Thismalborgs Varns Akties.*

Ceiling in Holds, thickness and material *None fitted.* Cargo Battens, thickness, material and spacing *None fitted.*

Cargo Hatchways.—(Upper Deck) *Steel Coamings* Thickness of Hatches *Stk. covers. 2 1/2" wood on props.*

Size of No. 1 Hatchway (Forward) *11'-3" x 11'-0"* ~~No. 6'-0" x 4'-0"~~ *Oil tanks Pump stores.* No. 3 *4'-0" x 6'-0"* No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *None.*

**KOCKUMS**  
MEKANISKA VERKSTADS AKTIEBOLAG  
*F. Raudgerd.*

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 *Tanker.* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This vessel has been built under special survey in accordance with the approved plans and instructions and all the Rules requirements, as far as applicable, have been complied with.*

*The workmanship and the materials are both good.*

*The main and common cargo tanks, main cofferdams, oil fuel bunkers, deep tanks forward, oil fuel, lubricating oil, fresh water tank and cofferdams in double bottom under motor space, the fresh water tanks in lower deck aft and the peak tanks have been tested as required by the Rules.*

*The cofferdam enclosing the chain locker and the dwarf cofferdam at front of donkey boilers have been tested by being filled with water. The decks clear of tanks and cofferdams and the bulkheads of the forward pump room have been tested by water from a hose and found tight.*

The amount of Entry Fee ..... £Ks. : 200.20 Fees applied for, *31st May 1937*

Special Survey Fee.... £Ks. 10976.71 Received by me, *23.6.37*

*Onboard* Travelling Expenses, if any £ : : *23.6.37*

I am of opinion the Vessel should be Classed *100 A1*  
*Carrying Petroleum in bulk*  
*With notations of Lloyd's R & CP*  
*"Union" etc. etc. welded.*

State whether the Vessel has been built under Special Survey *Yes.* Signature *Alundén, S. Börning.*  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Survey Office, Malmo* date of issue *18/6/37.*

Committee's Minute *FRI 4 JUN 1937*

Character assigned *+100 A1*  
*Carrying petroleum in bulk*

*White Iron*  
*Lloyd's arch*  
*Rudder Electrically welded*  
*O.K.*  
*Long frame - Bracketless System*

*+Limb 5.37*  
*25.6.37*  
*oil 2020*

Lloyd's Register Foundation  
W4670099 (3/3)



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.)

Phas a separate list enclosed herewith!

"Longitudinal Framing" Breckellen system

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 2nd " 3rd " Stream	51:1:26 ✓ J.Q. 737 15-2-37 52:2:3 ✓ J.Q. 738 15-2-37 43:1:5 ✓ J.Q. 739 15-2-37 22:0:19 ✓ J.Q. 740 15-2-37	Shanks 26:3:3 J.Q. 741 15-2-37 26:2:20 J.Q. 742 15-2-37 23:0:8 J.Q. 743 15-2-37
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102.0 ft., R.Q.D. ft., Bridge 37.0 ft., Forecastle 43.0 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) 2 str. str. & nrb frames.

Official No. ✓ : Signal Letters LJMA Is bottom of Vessel coated with cement Yes, in peaks  
particulars of composition ✓ and well - see memo letter 7/6/37

PARTICULARS OF WATER BALLAST.—

PARTICULARS OF WATER BALLAST.			PARTICULARS OF WATER BALLAST.		
Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	24	144
Double bottom, under Engines and Boilers, F.W. tanks	69	68	After peak tank,	-	169
Double bottom, <del>if</del> under Engines only, Lubr. oil "		26	Deep tank, aft, Cross members & side tanks	10	455
Double bottom, <del>if</del> under Boilers only, Oil fuel "		92	Deep tank, forward,	36	535
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		186	(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 76

Date 8<sup>th</sup> Nov. 1935.

Dates of Surveys held while building

1/8, 2/8, 3/8, 4/8, 5/8, 6/8, 7/8, 8/8, 9/8, 10/8, 11/8, 12/8, 1/9, 2/9, 3/9, 4/9, 5/9, 6/9, 7/9, 8/9, 9/9, 10/9, 11/9, 12/9, 1/10, 2/10, 3/10, 4/10, 5/10, 6/10, 7/10, 8/10, 9/10, 10/10, 11/10, 12/10, 1/11, 2/11, 3/11, 4/11, 5/11, 6/11, 7/11, 8/11, 9/11, 10/11, 11/11, 12/11, 1/12, 2/12, 3/12, 4/12, 5/12, 6/12, 7/12, 8/12, 9/12, 10/12, 11/12, 12/12, 1/13, 2/13, 3/13, 4/13, 5/13, 6/13, 7/13, 8/13, 9/13, 10/13, 11/13, 12/13, 1/14, 2/14, 3/14, 4/14, 5/14, 6/14, 7/14, 8/14, 9/14, 10/14, 11/14, 12/14, 1/15, 2/15, 3/15, 4/15, 5/15, 6/15, 7/15, 8/15, 9/15, 10/15, 11/15, 12/15, 1/16, 2/16, 3/16, 4/16, 5/16, 6/16, 7/16, 8/16, 9/16, 10/16, 11/16, 12/16, 1/17, 2/17, 3/17, 4/17, 5/17, 6/17, 7/17, 8/17, 9/17, 10/17, 11/17, 12/17, 1/18, 2/18, 3/18, 4/18, 5/18, 6/18, 7/18, 8/18, 9/18, 10/18, 11/18, 12/18, 1/19, 2/19, 3/19, 4/19, 5/19, 6/19, 7/19, 8/19, 9/19, 10/19, 11/19, 12/19, 1/20, 2/20, 3/20, 4/20, 5/20, 6/20, 7/20, 8/20, 9/20, 10/20, 11/20, 12/20, 1/21, 2/21, 3/21, 4/21, 5/21, 6/21, 7/21, 8/21, 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