

STEEL STEAMER OF MOTORSHIP.

Received at London Office - 7 APR 1933

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

5th April, 1933

Port of

Malmö

No.

1191.

Survey held at

Malmö

Date First Survey

23rd April, 1931

Last Survey

31st March,

1933.

On the

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

Twin Screw Motor Tanker "PROCYON"

State Type

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

Full Scantling. Longitudinal Framing Bracketed Lgts

State Type of Erections

Poop, Bridge & Deck.

TONNAGE under Tonnage Deck...

7968.01

CLASS \times 100A1

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

466.0

Breadth (greatest moulded)

B

61.5

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

D

36.25

1st Longitudinal Number (L \times D)

=

16426

2nd Numeral L \times (B + D)

=

45085

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

12.85

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

Do. Long Bridge to top of keel

12.85

Draught Moulded

28'-3 3/8"

(Channel drydocked 1/6-1932 & 24/3-1933) *Yes*Launched 14th Nov., 1931 Yard No. 171

Builders Kockums Mek. Verkstad AB.

Owners Trelleborgs Angfartygs Nya AB.

Managers J. Malmros.

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

Residence

Trelleborg.

Port of Registry

Trelleborg

If surveyed while building, afloat, and in dry dock

REGISTERED DIMENSIONS.

FEET.

Length 482.42
Breadth 61.85
Depth 36.12

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.
FRAMES, Spacing amidships	Longitudinal Framing See Rpt. 1* attached.		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	25" ✓		" " Reversed Frame		
" " in peaks	30" ✓		" " Vertical Struts		
" " "DB under motor space.	27" ✓		Centre Girder, depth and thickness	In Motor Room 75" 54" 48"	
SIDE FRAMING.	" " "Deep tanks forward		" " top Angles	Double 90 90 13	
Frame Amidships, Angle, [or]			" " bottom Angles	130 130 15	
" " Extends up to			Side Girders, No. each side and thickness	3 42"	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	54" Tanks top level.	
" " Extends up to			" " Vertical Angle to Tank side		
Depth of Framing Girder			" " Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle [or]			" " Bracket forward 1/2 len. from stem		
" " Third " " " "	150" 150" 125" 16"		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Framing in Peaks, Angle [or]	230" 90" 125" 5"		" " Gussets, spacing and scantling forward 1/2 len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	See Rpt. 1*		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	✓		INNER BOTTOM PLATING, Motor Room.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars			Breadth and thickness of Middle Line Strake	21'-55 1/2" x 56"-52"	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Thickness of remainder in Holds	Motor Room 52"	
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]		
Middle Line Keelson, on Floors, Angles, [or]			" " in way of Bridge, Angle, [or]		
" " Through Plate or Intercostal Plate			Spacing	200 75 12	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, [or]	250 90 12	
" " Flat Plate Keel Angles			Spacing	280 90 13	
Side Keelsons, No. each side			Third Deck, amidships, Angle, [or]		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, [or]		
DOUBLE BOTTOM, in Motor Room.			Spacing		
Solid Floors, thickness and spacing	42" 30"		Poop Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	Yes		Spacing		
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, [or]		
" " breadth and thickness at margin plate			Spacing		
			Forecastle Deck, Angle, [or]		
			Spacing		

PILLARS AND DECKS.

	8 m/m.	Inches in Ship.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	<i>As per Appr. plans.</i>		
" " " " " in 'tween Decks, Size and Spacing....	<i>B A</i>		
<i>E bulkhead stiffeners no. 1-2 a</i>	230 90 11 ✓		
" " " " " 3..	230 90 11.5 ✓		
" " " " " 4	250 90 11 ✓		
" " " " " in Hold " 5 & 6	280 90 12 ✓		
" " " " " 7	280 90 13 ✓		
" " " " " 8 & 9	300 90 13 ✓		
" " " " " 10	300 90 14 ✓		
Centre Line Bulkhead.			
Stiffeners and Spacing....	<i>Chambers.</i> 15" x 41" - 4" x 62" .54 .46 .42 ✓ 39 .42 .46 ✓		
Plating, thickness of			
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells	79" .68" ✓		
" " " " " in way of Bridge	79" .79" ✓		
" " " " " Angle in Wells	160 160 17 ✓		
Thickness of Plating abreast Deck openings) in way of Wells .....	.68" .48" ✓		
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...	64 1/2" .46" ✓		
Stringer Plate, breadth and thickness in way of Bridge			
Thickness of Plating abreast Deck openings) in way of Bridge			
Thickness of Plating within line of openings...			
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	82"-43" .34" ✓		Appr. 38 1/2" x 34"
Plating, Sheathing, material and thickness ...	.28" Sheathed.		
Bridge Deck.			
Stringer Plate, breadth and thickness	59" .44" ✓		Appr. 49 1/2" x 44"
Plating, Sheathing, material and thickness ...	.36" Sheathed. Mrs. Dr. House		
Forecastle Deck.			
Stringer Plate, breadth and thickness .....	.38" ✓		
Plating, Sheathing, material and thickness ...	.56" ✓ <i>Under mindlass.</i> .36" ✓		

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.									
FLAT PLATE KEEL	53	1.02	.84	.84	}	Double	28	115	Three rows	28	115	dbl. Straps.	
„ DBLG. (if any)	79 1/4	.64	.52	.54						28	115	Lapped at E.	
BOTTOM PLATING, No. of Strakes	71.5-83.5	.66	.64-.70	.60-.56		Double	22	90	„	22	90	Lapped	
BILGE PLATING, No. of Strakes	72	.66	.66	.63		„	22	80	„	22	90	„	
SIDE PLATING, No. of Strakes	69-82.5	.63	.48	.68-.48		„	22	80	„	22	90	„	
UPPER DECK, Sheer- strake in Wells	53	.95	.54-.66	.48		„	28	100	Three	25	100	dbl. Straps.	
UPPER DECK, Sheer- strake in Bridge ...	53	1.13				„	28	100	„	28	115	„	
STRAKE BELOW Sheer- strake in Wells	82 1/4	.76	.48	.48		„	25	90	Four	25	100	Lapped.	
STRAKE BELOW Sheer- strake in Bridge ...			.49			Double	19	75	Two	19	65	Lapped
POOP SIDE PLATING .....			.45-.41			Single	19	75	One	19	65	„
BRIDGE SIDE PLATING ...	.52-.44					„	19	75	One	19	65	„
FOREC'TLE SIDE PLATING			.44			„	19	75	One	19	65	„	

WATERTIGHT BULKHEADS.

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

		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<i>Back bars fitted also on stiffeners 6 & 7 at E bulkhead. See plans of vessel as built.</i>					
MIDSHIP BULK'D,	<i>Summer tanks.</i> Upper tween decks	34-38 ✓	One Web	200 x 75 x 10	5
"	" Second "				
"	" Third "	.54-.46-.42 ✓	Invs	Web 300 x 75 x 10	5 ✓
"	Holds	39, 37, 32	Wels.	17'-48"-4'-68"	5 ✓
COLLISION	(in Hold) .....	.51-.29 .48-.42	180 x 75 x 10 15'-6"-4'-63" 250 x 90 x 11	690- 720	Deep tank Top
AFTER PEAK	" .....	.62-.30	300 x 90 x 13	733	Summer Port Beam.

As per appn. plan.

FORGINGS and CASTINGS.

	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×D				
Speed of Vessel ...13 knots				
RUDDER mainpiece at head ...				
" " heel ...				
" how constructed				
" double or single plate				
" coupling, vertical or				
horizontal.....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Eisenhüttenwerke (Wabnitz, Oberhausen)
Vereinigte Stahlwerke (Lamborn A.R.H. Werke Florde and Niederrheinische Hütte)
 Has the Steel been tested as required by the Rules? *Yes.*

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, 2 in number, i.e. Midships Section, Profile & Plans are forwarded under separate cover.

List of approved plans forwarded:-

Midships section & Transverse Oiltight Bulkheads.

Profile and deck plans.

Hull expansion.

Fore and aft sections.

Forward cofferdam bulkheads.

Section in way of bridge.

Pumps room transverse.

After end sections.

After peak framing.

Web frames in motor space.

Seatings for main and aux. engines.

Double bottom with girders, floors and tank top.

Oil fuel bunker.

Modification to scantlings in way of oil fuel bunker.

Revised arrangement of motor casing in way of upper deck.

Alternative arrangement of poop front.

Arrangement of holes in bottom transverses for heating coils.

Oiltight hatches.

Eastlight dry cargo hold hatchway.

Stem frame and rudder.

Shaft brackets.

A sketch "Arrangement of backbars at ends of shell longitudinal 9-23 in cargo tanks and pumps room" is also enclosed.

Certificates:-

Stem frame, rudder main piece & arms, rudder head and propeller brackets.

Rudder tiller.

2 in all.

Particulars of Drop Test of Cast Steel Anchors, viz.:-	1st Bower	2955	KGS.	A.B.	6500	19-8-31
Weight, Surveyor's Initials,	2nd "	2935	"	"	6501	19-8-31
Number of Certificate, Date of Test.	3rd "	2576	"	"	6502	19-8-31

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 104.75 ft., R.Q.D. ✓ ft., Bridge 37 ft., Forecastle 39.75 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 Sts. (Stl) & Web frames.

Official No. 7797; Signal Letters KHPT.

Is bottom of Vessel coated with cement No if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, etc. Lubr. oil tanks.	Feet.	Tons.	Fore peak tank,	Feet.	Tons.
Double bottom, under Engines and Boilers, O.F. tanks.	62.5	28	After peak tank,	24	148
Double bottom, if under Engines only,	65	270	Deep tank, aft, Oil fuel bunker	26.25	253
Double bottom, if under Boilers only,			Deep tank, forward,	13.25	578
Double bottom, forward,			Other tanks, if fitted, O.F. summer tanks.	36	536
			(If necessary, furnish further information by sketch.)	10.75	66

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

Order for Special Survey No 61

Date 21st Nov, 1929.

Dates of Surveys held while building

23/4. 24/4. 1/5. 12/5. 15/5. 28/5. 29/5. 30/5. 1/6. 9/6. 9/6. 13/6. 14/6. 17/6. 19/6. 20/6. 22/6. 23/6. 27/6. 30/6. 1/7. 2/7. 3/7. 4/7. 7/7. 8/7. 11/7. 13/7. 14/7. 15/7. 17/7. 18/7. 20/7. 21/7. 22/7. 23/7. 24/7. 25/7. 26/7. 27/7. 28/7. 29/7. 30/7. 31/7. 1/8. 2/8. 3/8. 4/8. 5/8. 6/8. 7/8. 8/8. 9/8. 10/8. 11/8. 12/8. 13/8. 14/8. 15/8. 16/8. 17/8. 18/8. 19/8. 20/8. 21/8. 22/8. 23/8. 24/8. 25/8. 26/8. 27/8. 28/8. 29/8. 30/8. 31/8. 1/9. 2/9. 3/9. 4/9. 5/9. 6/9. 7/9. 8/9. 9/9. 10/9. 11/9. 12/9. 13/9. 14/9. 15/9. 16/9. 17/9. 18/9. 19/9. 20/9. 21/9. 22/9. 23/9. 24/9. 25/9. 26/9. 27/9. 28/9. 29/9. 30/9. 1/10. 2/10. 3/10. 4/10. 5/10. 6/10. 7/10. 8/10. 9/10. 10/10. 11/10. 12/10. 13/10. 14/10. 15/10. 16/10. 17/10. 18/10. 19/10. 20/10. 21/10. 22/10. 23/10. 24/10. 25/10. 26/10. 27/10. 28/10. 29/10. 30/10. 31/10. 1/11. 2/11. 3/11. 4/11. 5/11. 6/11. 7/11. 8/11. 9/11. 10/11. 11/11. 12/11. 13/11. 14/11. 15/11. 16/11. 17/11. 18/11. 19/11. 20/11. 21/11. 22/11. 23/11. 24/11. 25/11. 26/11. 27/11. 28/11. 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Lloyd's Register
Foundation

Date 21 Nov, 1929

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