

29 MAR 1951

IN D.O.

Received at London Office

28 MAR 1951

State if Report has been sent on the Freeboard of the Vessel.....YES

NEWCASTLE-ON-TYNE, No. 108048

State if Report is sent on the Machinery of the Vessel..... YES - NOW

Date of completion of report 17 March 1957

Port of NEWCASTLE-on-TYNE

No 108234

Survey held at Belyth.

Date First Survey 11<sup>th</sup> October 1949

Last Survey 6<sup>th</sup> March

19 51

On the (State of Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Motor Tanker "ROSA MAERSK" machinery fitted aft

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

State Type of Erections *Pop. Bridge + File*

TONNAGE under 7343.36  
Tonnage Deck ...

CLASS 7/100 A/

State if with freeboard } No  
as condition of Class }

Built at Beyth

Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.

Length from fore part of stem to after part of stern } 450' 0  
post on summer L.W.L. See Sec. 3 (1a)

Launched 28.9.1950 Yard No. 343

Total

Breadth (greatest moulded) ..... B 62' 8

Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c) ..... D 34' 6

Builders Blyth D.D. & Shipbuilding Co. Ltd.

Gross Tonnage 8191.83

1st Longitudinal Number (L x D).....= 15525

Owners Dampskibsselskabet af 1912 & A/S  
Dampskibsselskabet Svendborg af  
Copenhagen.

Register Tonnage 4827.10

2nd Numeral  $L \times (B + D)$  ..... = 43722

Managers: A. P. Møller  
(Where necessary to be entered in Reg. Book)

**REGISTERED DIMENSIONS.**

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

Residence Copenhagen

Length FEET  
455.1

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel ..... } **13.04**

Port of Registry..... *Federencia*

Breadth 62.9

Do. Long Bridge to  
top of keel

*If surveyed while building, afloat, or in dry dock*

Depth 32.3

Draught Moulded ..... 27.10/8

Building, afloat & in dry dock.

## 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.....	30 ✓		Bracket Floors, Frame .....	✓	
" " from <sup>fr. 160</sup> length amidships to Collision bulkhead.....}	24 ✓		" " Reversed Frame.....	✓	
" " in peaks .....	24 ✓		" " Vertical Struts .....	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30" x .46/.54	
Frame Amidships, Angle, E or C ✓	10 3½ - 46 ✓		" " top Angles .....	Welded } 5/16 Nm W.T.	
" " Extends up to.....	Upper deck ✓		" " bottom Angles.....	Welded } 5/16 O.T. & W.T.	
Reversed Frame Amidships, Angle .....	✓		Side Girders, No. each side and thickness... 3 ✓	1 c.75 1 @ .60 1 c.42 below bkn. side	
" " Extends up to ...	✓		Margin Plate depth (excl. of flange) and thickness .....	None	
Depth of Framing Girder.....	✓		" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem .....	Tank top carried horizontally.	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ] .....	✓		" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area Gussets, spacing and scantling abaft ¼ len. from stem.....	out to shell	
" " Second 'tween Decks, Angle, [ or ] .....	✓		" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area .... T.T.	3'3" x 3'3" x .42	
" " Third " " " " "	10 3½ - 54 No. 2 Tank 10 3½ - 62 No. 1 Tank 10 3½ - 40 Deep Tk. fwd		Tank Side Brackets, height above base line at toe of Frame and thickness .....		
" " from ½ len. for'd. to 15% len. from Stem .....	9 3½ 38 ✓		INNER BOTTOM PLATING. in E.R.		
" " in Peaks, Angle or [ .....	7/8" Riv. @ 4" ✓		Breadth and thickness of Middle Line Strake....	.52 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	Yes ✓		Thickness of remainder in Holds .....	.52 ✓	
State if Frame Joggled.....	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?.....	Yes ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	Yes ✓		BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	Yes ✓		Uppermost Continuous Deck, amidships in Wells, Angle, [ or ] ...	See longl framing sheet	
SINGLE BOTTOM. in Tanks. ✓			" " in way of Bridge, Angle, [ or ] .....		
Floors, Depth and thickness at mid-line in Holds.....	See longl. framing sheet.		Spacing .....		
Height of Brackets at side above base line at toe of frame.....			Second Deck, amidships, Angle, [ or ] .....		
Middle Line Keelson, on Floors, Angles, [ or ] .....	✓		Spacing .....		
" " Through Plate or Inter-coastal Plate .....	3'10" x .54 ✓		Third Deck, amidships, Angle, [ or ] .....		
" " Foundation Plate on Floor Gr. Girders .....	8" x .50 ✓		Spacing .....		
" " Flat Plate Keel Angles .....	5/16" Welded ✓		Fourth Deck, amidships, Angle, [ or ] .....		
Side Keelsons, No. each side.....	✓		Spacing.....		
" " thickness of Intercostal Plate.....	✓		Poop Deck, Angle, E or C ✓	8 3 34 8 3 43	
" " Angles .....	✓		Spacing.....	24" 8 30"	
DOUBLE BOTTOM. in Machy. space			Bridge Deck, Angle, E or C ✓	7 3 34 30"	
Solid Floors, thickness and spacing .....	.42 Cr. plate (30") Welded to T. Top Frame not joggled ✓		Spacing.....		
" " Are Frame and Reversed Frame joggled? .....	✓		Forecastle Deck, Angle, E or C ✓	7 3 36 24"	
Bracket Floors, breadth and thickness at middle line .....	✓		Spacing.....		
" " breadth and thickness at margin plate.....	✓				

[illegible]

STAKINGS.					ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES <i>No</i>		RIVETING.				
STRAKES.	AS IN VESSEL.					SINGLE OR DOUBLE.	State if jagged?		No.	BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.			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.....	52	98	78	78		Butt Welded				Butt Welded			
„ Dblg. (if any)	✓	✓	✓	✓	to Stem frame ✓			✓					
Bottom Plating, No. of Strakes ..... 3		67	73	66	to Stem frame ✓	Butt Welded ✓				Butt Welded ✓			
Bilge Plating, No. of Strakes ..... 2		68	50	66	to Stem frame ✓	Double 7/8 3 1/2				“			
Side Plating, No. of Strakes ..... 3		62	48	48	to Stem frame ✓	Double 7/8 3 1/2				“			
Upper Deck, Sheer-strake in Wells.....	63	88	48	48		Double ✓ 1 3 3/4				“			
Upper Deck, Sheer-strake in Bridge.....	63	1-12				Double ✓ 1 3 3/4				“			
Strake below Sheer-strake in Wells.....	66	82	48	48		Double ✓ 1 3 3/4				“			
Strake below Sheer-strake in Bridge.....	-	-	-	-									
Poop Side Plating.....				40		Single 7/8 3/4 3 1/2				Butt Welded ✓			
Bridge Side Plating.....	43					Single 7/8 3/4 3 1/2				“		✓	
Forecastle Side Plating			44			Single 7/8 3/4 3 1/2				“		✓	

Total No. of W.T. BULKHEADS in Vessel—		Extending to Upper Deck (Sec. 3 c)		Thirteen ✓	
Deck next below				✓	
As per Rule				✓	
		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
				Side Th. 1st.	Side Th. 2nd.
MIDSHIP BULK'H'D, Upper Deck		40 51	9' 4" x 56	2' 9"	37" x 40 x 50 ft 30" x 40 x 50 "
" " Second Tanks					60" x 40 x 50 "
" " Third					36" x 40 x 50 ft 36" x 40 x 10 x 50 "
" " Hold					
COLLISION " (in Hold)		54, 46, 41, 38, 34, 28	9' 4" x 43 7' 4" x 50	33"	2 Semi' box beams + Deck Tk. Top.
AFTER PEAK " "		46, 75, 37, 23, 10	8' 4" x 40 6' 3" x 48 5' 3" x 44	27"	2 D. T. Keel & Tank Top.
STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth South Durham Steel & Iron Co. Ld., Appleby Frodingham Steel Co., Dorman Long & Co. Ld., Stewinigrave Iron Co. Ld., Consett Iron Co. Ld., Steel Co. of Scotland, Ltd. Has the Steel been tested as required by the Rules? Yes.			

[illegible]

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.

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0023 2/3



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.)

Declaration (contd.)

in tanks below the Engines. The midlines & main & auxiliary steering gears have been tested under working conditions & found satisfactory. The assigned perboards have been marked, verified, cut in and painted on the vessel's sides. Vessel last seen in drydock 3.2.51. The cargo tank heating coils have been tested as per rule requirements.

Note: an additional intercostal girder was fitted under the Poop dk P+S (see as fitted Profile & decks) to compensate for the filling of 3/8" center instead of wood sheathing over .26 plating.

As fitted plans now forwarded

Midship Section, Profile & decks. Doublings at small openings in deck.

Approved plans now forwarded

Midship Section,

Profile & plans (midships)

" " (ends)

Keel, centre girder, &c.

Stem frame

Cast steel back post

Rudder bearings

Upper rudder bearing.

Shell Expansion I

" " II

" " III

Aft end scantlings

Peak framing (aft)

Double bottom in E.R.

Framing in E.R.

Fore end framing

Long. blds

Transverse blds I

" " II

E. & B. Casings

Deckhouse on Poop. h

Welds in E.R.

Assembly & welding

Tank hatches

Aluminium wheelhouse.

Survey casting reports are now forwarded.

A report 8 re. repairs to damage sustained during fitting out is attached.

NEWCASTLE-ON-TYNE No. 108138

PARTICULARS OF ELECTRIC WELDING (if employed) Butts & seams of bottom shell, butts of bilge & side shell, butts of upper deck, seams of upper dk (Act. Seams single riveted & weld), butts & seams of poop, bridge & forecastle decks, butts, seams & boundaries of longit. & trans. blds., bulkhead stiffens, bulkhead & shell stringers, webs & transverse, centre bottom girder, bottom longls. & double btm in machinery space:

Electrodes: Rockwell 'Vulcan', 'Flexend'. Act. arc 'Monarc', Fusarc 'Seamarc'.

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

Carrying petroleum in Bulk, Long. framing at bottom & deck,

Part electrically welded, cruiser stern, wireless, direction

finding, gyro pilot, Echo sounding, Radar.

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. Mariner's Pathfinder Model KP1401

State Name of Supplier Raytheon Manufacturing Co. U.S.A.

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

1st Bower	41.0.14	J.C. 3665.	12.9.47
2nd "	41.1.7	J.C. 3639.	23.7.47
3rd "	36.3.14	J.C. 3699.	19.12.47

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 91.0 ft., R.Q.D. - ft., Bridge 32.5 ft., Forecastle 60.5 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 OXRD Extreme Breadth over Belting 62' 10 1/2" Over-all Length 479' 6 1/2"

No. and Material of Decks Upper deck (steel), Poop, Bridge & Fore decks (steel).

Parts of Bottom of Vessel coated with cement or approved composition Fore & Aft Peaks

Particulars of composition (if fitted) and of approval Seamer in accommodation.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, Fr. 10/22, F.W.	27.5	113.3	Fore peak tank,		91.2
Double bottom, under Engines and Boilers, O.F.	47.5	188.8	After peak tank, 0/10 W.B.	20.0	65.6
Double bottom, if under Engines only, Cdn. 22/23	2.5		Deep tank, aft, Wing in E.R. 34/42 O.F.	20.0	377.0
Double bottom, if under Boilers only,			Deep tank, forward, 160/176 O.F.	32.0	554.5
Double bottom, forward,			Other tanks, if fitted, Upper Aft Pk. 0/10 O.F.	20.0	60.0
Total length (if continuous) and Capacity	77.5	302.1	Lower dk. over Aft Pk. Boiler 0/2	10.0	66.2

Order for Special Survey No. 5898

Date 2/3/49

Dates of Surveys held while building

(1949) Oct. 11, 19, 24, 26, 27, 28, 31 Nov. 1, 4, 8, 9, 10, 11, 14, 15, 16, 18, 23, 24, 29 Dec. 9, 12, 20, 27, 29 (1950) Jan. 4, 5, 9, 16, 19, 23, 24, 25, 26 Feb. 1, 9, 17, 25 Mar. 3, 16, 19, 26, 27, 28 April 14 May 1, 5, 9, 18, 26 June 5, 6, 13, 15, 20, 21, 26, 27, 28, 30 July 3, 6, 7, 10, 12, 13, 14, 15, 18, 21, 24, 27, 29 Aug. 8, 10, 23, 25, 30, 31 Sept. 4, 5, 6, 8, 11, 12, 13, 15, 18, 19, 20, 21, 22, 28 Oct. 12, 19, 31 Nov. 4, 10, 13, 14, 17, 21, 24, 27, 28, 29 Dec. 18, 28 (1951) Jan. 4, 9, 12, 16 Feb. 9, 12, 13, 14, 21, 26 Mar. 5, 6

Total No. of Visits 119