

STEEL STEAMER OF MOTORSHIP.

27 JAN 1942

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **No**

State if Report is sent on the Machinery of the Vessel **Yes**

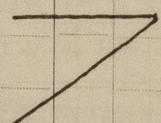
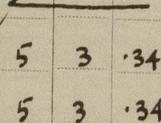
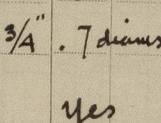
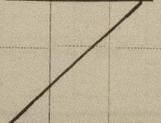
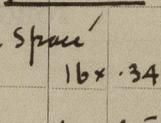
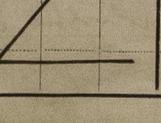
Date of completion of report **23rd January 1942** Port of **Leith** No. **20601**
 Survey held at **Leith** Date First Survey **15-10-40** Last Survey **19th January 1942**
 On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **STL TWIN SC MOTOR TUG "M.S.C. NEPTUNE"**

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **✓** State Type of Erections **None**
 CLASS **100A-** State if with freeboard as condition of Class **No** Built at **Leith**

TONNAGE under Tonnage Deck... **123.69** CLASS **100A-** Length from fore part of stem to after part of stern } **L 86.0** Launched **7th Oct. 1941** Yard No. **319**
 Do. of space or spaces between Tonnage Dk. and Upper Dk. **✓** Breadth (greatest moulded) **B 23.0** Builders **Messrs Henry Robb Ltd.**
 Total Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 11.5** Owners **Manchester Ship Canal Co.**
 Gross Tonnage **130.77** 1st Longitudinal Number (L x D) = **989** Managers **✓**
 Register Tonnage **46.87 non towing** 2nd Numeral L x (B + D) = **2967** (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET. Length **85.45** Framing Depth "d," at middle of length. See Sec. 3 (1d) **10.27** Residence **Ship Canal House - King St Manchester**
 Breadth **23.15** Proportions—Depth to Length—Uppermost continuous deck to top of keel **7.47** Port of Registry **Manchester**
 Depth **9.15** Draught Moulded **8'-2 1/2"** If surveyed while building, afloat, or in dry dock **Yes**

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	2 1/2 ✓		Bracket Floors, Frame		
" " from 1/3 length amidships to Collision bulkhead.....}	2 1/2 ✓		" " Reversed Frame		
" " in peaks.....	2 1/2 ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or ✓ in Eng. Space 5 3 .40 ✓			" " top Angles		
" " Clear of Eng. Space 5 3 .34 ✓			" " bottom Angles		
" " Extends up to Deck			Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and thickness		
" " Extends up to.....	✓		" " Vertical Angle to Tank side		
Depth of Framing Girder	✓		" " Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, [or]			" " Bracket from forward 1/4 len. from stem to Panting Area		
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		
" " from 1/2 len. for'd. to 15% len. from Stem	5 3 .34 ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....		
" " in Peaks, Angle or [.....	5 3 .34 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" . 7 diams ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes ✓		Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			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?		
SINGLE BOTTOM. at ends clear of Eng. Space	✓		BEAMS.		
Floors, Depth and thickness at mid-line in Holds	16 x .34 ✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or [.....	6 3 .36 ✓	
Height of Brackets at side above base line at toe of frame	No brackets ✓		Half beams " in way of Bridge, Angle, [or]	4 3 .32 ✓	
Middle Line Keelson, on Floors, Angle, [or]	9 x 3 x 3 x .40 ✓		Spacing	Every frame ✓	
" " Through Plate or Intercostal Plate...}	None ✓		Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors	None ✓		Spacing.....		
" " Flat Plate Keel Angles	Bar keel ✓		Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side	None ✓		Spacing.....		
" " thickness of Intercostal Plate...	None ✓		Fourth Deck, amidships, Angle, [or]		
" " Angles	None ✓		Spacing.....		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing			Spacing.....		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing.....		
" " breadth and thickness at margin plate.....			Forecastle Deck, Angle, [or]		
			Spacing		

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.)

This vessel is a duplicate of the same Builders No 294, "M.S.C. MALLARD", Litch Rpt No 20027, and No 295, "M.S.C. MERLIN", Litch Rpt. No 20073.

List of approved plans forwarded with this report.

- Midship Section
- Profile, decks and bulkheads.
- Stemframe and Rudder.
- Pumping Plan
- Propeller brackets and spousers.
- Engine Seating.
- Leads of steering gear.
- Bossing.
- Engine Casings.
- Forging Reports. (3)
- Midship Section as built.

PARTICULARS OF ELECTRIC WELDING (if employed) welded.

Cabin flat welded to shell and sundry fittings ✓

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

For River & Harbour Towing Service. Oil Engines / pt Asfs.

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

1st Bower

2nd "

3rd "



PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ 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 **0 ✓** Extreme Breadth over Belting **24.33** Over-all Length **92.0**
(Circ. 1611) (Circ. 1703)

No. and Material of Decks **1 Plk (500)**

Parts of Bottom of Vessel coated with cement or approved composition **Bottom coated with Bitumastic Enamel, Peaks coated with "Apxion" — No coating in O.F. tank under engines.**

Particulars of composition (if fitted) and of approval **"Bitulac"**

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	15.04	12.5
Double bottom, under Engines and Boilers,	✓		After peak tank, (adjacent after peak)	8.96	6.5
Double bottom, if under Engines only,	30.46	22.7	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓	
Double bottom, forward,	✓		Other tanks, if fitted,	✓	
Total length (if continuous) and Capacity	✓		(If necessary, furnish further information by sketch.)		

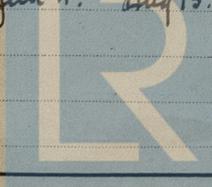
Order for Special Survey No. **2040**

Date **13-9-40**

Dates of Surveys held while building

1940 Oct 15, 22, 28. Nov 4, 12, 19, 29. Dec 11, 17, 23. 1941 Jan 9, 14, 17, 22, 29
Feb 4, 11, 18, 26, 28. Mar 7. April 4, 30. Jun 11. Aug 13, 14. Sept 11, 23, Oct 7,
Nov 12. Dec 11. 1942 Jan 2, 19.

Total No. of Visits **33**



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