

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office 11 NOV 1941

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

6-11-41.

Port of

IPSWICH.

No.

110,020

Survey held at

ROWHEDGE

Date First Survey

11 JULY 1940

Last Survey

31 OCTOBER

1941.

On the

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

SINGLE SCREW MOTOR TANKER

"EMPIRE LAD"

MACHY. FITTED AFT.

State Type

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

FULL SCANTLING

State Type of Erections POOP & FORECASTLE

TONNAGE under Tonnage Deck...

223.38

CLASS +100 A.I.

State if with freeboard as condition of Class

No

Built at

ROWHEDGE

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

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 127.2

Breadth (greatest moulded)

B 24

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

D 10.75

1st Longitudinal Number (L x D) = 1367

2nd Numeral L x (B + D) = 4420

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

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

11.83

Do. Long Bridge to top of keel

Draught Moulded 10.0

Launched

10-7-41

Yard No. 601

Builders

ROWHEDGE IRONWORKS LD.

Owners

MINISTRY OF WAR TRANSPORT.

Managers

C. ROWBOTHAM & SONS.

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

Residence 130-138 MINORIES, E.C.3.

Port of Registry

ROWHEDGE.

If surveyed while building, afloat, or in dry dock

BUILDING.

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	24	✓	Bracket Floors, Frame		
" " from 1/3 length amidships to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks	21	✓	" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	5 x 3 x 34	✓	" " top Angles		
" " Extends up to	UPPER DECK	✓	" " bottom Angles		
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness		
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	5		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	5 x 3 x 34 EA.	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle E or F	4 1/2 x 3 x 30 F PEAK 4 x 2 1/2 x 30 A PEAK	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 — 3 3/4	✓	Breadth and thickness of Middle Line Strake		
State if Frame Joggled	No	✓	Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	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?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	AS APPROVED.	✓	BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	5 x 3 x 32	✓
Floors, Depth and thickness at mid-line in Holds	12 x 3 1/2 x 3 1/2 x 37 1/2	✓	" " in way of Bridge, Angle, E or F	✓	
Height of Brackets at side above base line at toe of frame	33	✓	Spacing	24	✓
Middle Line Keelson, on Floors, Angles, E or F	CENTRE LINE BULKHEAD	✓	Second Deck, amidships, Angle, E or F	✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	✓	
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	ONE	✓	Fourth Deck, amidships, Angle, E or F	✓	
" " thickness of Intercoastal Plate	32	✓	Spacing	✓	
" " Angles	TOP 6 x 3 x 48S SHELL 3 x 3 x 32	✓	Poop Deck, Angle, E or F	FULL 5 x 3 x 30 HALF 3 1/2 x 2 1/2 x 30	✓
DOUBLE BOTTOM.			Spacing	EVERY FRAME	✓
Solid Floors, thickness and spacing	✓		Bridge Deck, Angle, E or F	✓	
" " Are Frame and Reversed Frame joggled?	✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	3 1/2 x 2 1/2 x 28	✓
" " breadth and thickness at margin plate	✓		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.
PILLARS, No. of Rows.....		✓							
" in 'tween Decks, Size and Spacing.....		✓							
" " " " " "		✓							
" in Holds " "		✓							
" " " " "		✓							
Centre Line Bulkhead.									
Stiffeners and Spacing.....	<i>6 x 3 x 32 BA</i>								
Plating, thickness of .....	.32	.28	✓						
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	58	.32	✓						
" " " " in way of Bridge		✓							
" Angle in Wells	<i>4 1/2 x 4 1/2</i>	.34	✓						
Thickness of Plating abreast Deck openings in way of Wells .....	.32	✓							
Thickness of Plating abreast Deck openings in way of Bridge		✓							
Thickness of Plating within line of openings...	.32	✓							
If Sheathed, material and thickness		✓							
Second Deck.									
Stringer Plate, breadth and thickness in Wells...		✓							
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...	.32	✓							
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	50	.24	✓						
Plating, Sheathing, material and thickness ...	<i>2" COMPOSITION</i>	✓							
Bridge Deck.									
Stringer Plate, breadth and thickness.....		✓							
Plating, Sheathing, material and thickness ...		✓							
Forecastle Deck.									
Stringer Plate, breadth and thickness.....	54	.26	✓						
Plating, Sheathing, material and thickness ...	.26	PLATED	✓						

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? No.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS. Diam. Spacing cr. to cr.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.					Diam. Inches.	Spacing or to cr. Inches.	
FLAT PLATE KEEL	45	.50	.50	.45		D.R.	3/4 2 5/8	T.R.	3/4	2 5/8	LAPPED
" DBLG. (if any)		✓									
BOTTOM PLATING, No. of Strakes	53	.35	.38	.32	<i>.35 apply inside on shell exp.</i>	D.R.	5/8 2 1/4	D.R.	5/8	2 1/4	LAPPED
BILGE PLATING, No. of Strakes	54	.35	.32	.32		D.R.	5/8 2 1/4	D.R.	5/8	2 1/4	LAPPED
SIDE PLATING, No. of Strakes	56	.35	.28	.32	<i>.35 & .28 apply on shell exp.</i>	D.R.	5/8 2 1/4	D.R.	5/8	2 1/4	LAPPED
UPPER DECK, Sheer-strake in Wells.....	49	.38	.34	.34	<i>.32 & .28 " " "</i>	D.R.	5/8 2 1/4	D.R.	5/8	2 1/4	LAPPED
UPPER DECK, Sheer-strake in Bridge ...		✓									
STRAKE BELOW Sheer-strake in Wells.....		✓									
STRAKE BELOW Sheer-strake in Bridge ...		✓									
POOP SIDE PLATING .....		.24	✓			S.	5/8 2 1/2	S.	5/8	2 1/4	
BRIDGE SIDE PLATING ...		✓									
FORECASTLE SIDE PLATING		.24	✓			S.	5/8 2 1/2	S.	5/8	2 1/4	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *8* ✓

 " Deck next below *✓*

As per Rule *for OIL TANKER.*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "	<i>32 x 28</i>				
" " Holds .....	.28	<i>7 x 3 x 32 BA</i>			
COLLISION " (in Hold)	<i>NPS6</i>	<i>8 x 3 x 50 BA</i>		<i>4 x 3 x 30 BA</i>	
AFTER PEAK " "	<i>NPS5</i>	<i>5 x 3 x 30 BA</i>		<i>4 x 3 x 30</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	ROLLED BAR.	<i>5 1/2 x 1 1/4</i>		
STERN FRAME { Propeller Post	FORGING	<i>5 1/2 x 2 3/4</i>		
{ Rudder				
Speed of Vessel		<i>10 KNOTS</i>		
RUDDER—Type		<i>BALANCED.</i>		
" A x D				
" Diam. of head		<i>4 1/2</i>		
" Mainpiece at top pintle		<i>5 7/8</i>		
" " heel ...		<i>4 3/8</i>		
" how constructed	FORGED ARMS SHRUNK ON.			
" double or single plate	SINGLE.			
" coupling, vertical or horizontal	HORIZONTAL.			

STEEL.

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

APPLEBY-FRODINGHAM STEEL CO. LD.

DORMAN, LONG & CO. LD.

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.)

A set of plans "As Built" are being prepared and will be forwarded when received.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book + 100 A.I. CARRYING PETROLEUM IN BULK.

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

1st Bower	4 CWTs 3 QRS, 23 LBS. A.E.G. 6440. 3-10-41
2nd "	4 " 3 " 21 " A.E.G. 6437 3-10-41
3rd "	✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 39 ft., R.Q.D. ft., Bridge ft., Forecastle 19.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168217 Signal Letters B.C.Q.Y. Extreme Breadth over Belting 24'-4 1/2" Over-all Length 132'-6" (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 ST.

Parts of Bottom of Vessel coated with cement ~~approved composition~~ ENGINE ROOM, PEAKS AND CARGO TANKS.

Particulars of composition (if fitted) and of approval DOYES BIT. (POOP.)

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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<div></div>	<div></div>	Fore peak tank,	17	50
Double bottom, under Engines and Boilers,			After peak tank,	13.75	20
Double bottom, if under Engines only,			Deep tank, aft,	<div></div>	<div></div>
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.

Date

25/9/40

Dates of Surveys held while building

1940: July 11. 25. Sep 2. 11. 20. 27 Oct 2. 15. 23. 28 Nov 7. 27⁽¹⁾ Dec 5. 13. 19
1941: Jan 6. 14. 27 Feb 5. 12. 25. 28 Mar 10. 17. 26⁽²⁾ 31. Apr 16. 21. 29 May 7. 12. 20. 26 June 6. 11. 20. 25. 27.
July 2. 3. 6. 8. 10. 16. 24. 31 Aug 19. 26. 28⁽³⁾ Sept 4. 11 Oct 2. 9. 16. 22. 23. 30. 31

Total No. of Visits

61