

STEEL STEAMER MOTORSHIP.

Received at London Office MAR - 7 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 *MARCH 5TH 1941.*Port of *HULL*No. *51120.*Survey held at *GOOLE.*Date First Survey *20th December '39*Last Survey *4TH MARCH.*

1941

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

*SINGLE SCREW MOTOR CORNER**"EMPIRE FORELAND"*

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

FULL SCANTLING.

State Type of Erections

POOP AND FORECASTLE AND RAISED QUARTER DECK.

TONNAGE under Tonnage Deck...

*552.9*CLASS *100A.1.*

State if with freeboard as condition of Class

No

Built at

GOOLE.

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 190.0*Launched *2ND DECEMBER 1940* and No. *358*

Total

552.9

Breadth (greatest moulded)

*B 30.0*Builders *GOOLE SHIPBUILDING & REPAIRING CO. LTD*

Gross Tonnage

872.74

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

*D 13.5*Owners *MINISTRY OF SHIPPING.*

Register Tonnage

*458.56*1st Longitudinal Number (L x D) = *2565*

Managers

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

2nd Numeral L x (B + D) = *8265*Residence *LONDON.*

REGISTERED DIMENSIONS.

FEET.

Length

197.75

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

11.0

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

*14.07 MAIN DECK 10.55 RQ DECK*Port of Registry *GOOLE*

Breadth

30.2

If surveyed while building, afloat, or in dry dock

Depth

11.65

Draught Moulded

*13.1 3/8**WHILE BUILDING AND AFLOAT.*

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	22 ✓		Bracket Floors, Frame	✓	
" " from 3/4 length amidships to Collision bulkhead	22 ✓		" " Reversed Frame	✓	
" " in peaks	22 ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30 x .38 ✓	
Frame Amidships, Angle, E or F	5 3 3/8 BA. AT MAIN DECK ✓		" " top Angles	3 x 3 3/8 ✓	
" " Extends up to	6 3 .32 BA. RQ DECK ✓		" " bottom Angles	3 3 3/8 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE .28 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	27 x .37 ✓	
Depth of Framing Girder	6" AND 5" ✓		" " Vertical Angle to Tank side	3 3 5/16 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			Bracket abaft 1/2 len. from stem	5 5 5/16 ✓	
" " Second 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side	✓	
" " Third " " " "			Bracket from forward 1/2 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem			Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
" " in Peaks, Angle or F	5 3 .27 BA. ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	35 x .30 ✓	
State if Frame Joggled	YES ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		Breadth and thickness of Middle Line Strake	40 x .38 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES ✓		Thickness of remainder in Holds	.38 ✓	
SINGLE BOTTOM. IN MOTOR SPACE.			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?	✓	
Floors, Depth and thickness at mid-line in Holds	3/8 ✓		BEAMS.		
Height of Brackets at side above base line at toe of frame	NONE ✓		Uppermost Continuous Deck, amidships	6 3 5/16 BA. ✓	
Middle Line Keelson, on Floors, Angles, E or F	✓		" " in Wells, Angle, E or F	5 3 1/4 BA. ✓	
" " Through Plate or Intercostal Plate	✓		" " in way of Bridge, Angle, E or F	3 1/2 3 .30 L 1/2 BERRNS. ✓	
" " Foundation Plate on Floors	✓		Spacing	22 ✓	
" " Flat Plate Keel Angles	✓		R. QUARTER		
Side Keelsons, No. each side	ONE ✓		Second Deck, amidships, Angle, E or F	6 3 5/16 BA. ✓	
CONTINUOUS SIDE GIRDER UNDER ENGINES.	9/16 ✓		Spacing	3 1/2 3 .30 L 1/2 BERRNS. ✓	
" " thickness of Intercostal Plate	✓		Third Deck, amidships, Angle, E or F	✓	
" " Angles	3 3 3/8 BA. ✓		Spacing	✓	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F	✓	
Solid Floors, thickness and spacing	.28 - .22 ✓		Spacing	✓	
" " Are Frame and Reversed Frame joggled?	YES ✓		Poop Deck, Angle, E or F	5 3 .27 BA. ✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	44 ✓	
" " breadth and thickness at margin plate	✓		Bridge Deck, Angle, E or F	✓	
			Spacing	✓	
			Forecastle Deck, Angle, E or F	5 3 1/4 BA. ✓	
			Spacing	22 ✓	

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.....	ONE ✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	IN FORECASTLE 2" DIAM. ALTERNATE BEAMS. ✓		Thickness of Plating abreast Deck openings in way of Wells	✓	
" " " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "	DEEP KNEES EVERY 4 TH BEAM IN LIEU OF PILLARS. ✓		Thickness of Plating within line of openings...	.32 - .28 ✓	
" " " " "	9 x 3 1/2 x 7/16 DOUBLE ANGLE TILLER ON N° 65 FRAME. ✓		If Sheathed, material and thickness	1" DECK COVERING BY WAILS DONE IN TOP SPACE ACCORDING TO PLAN. ✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of			If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	66" x .48 x .28 ✓		If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	3 1/2 x 3 1/2 x .48 ✓		Stringer Plate, breadth and thickness	65" x .26 ✓	
Thickness of Plating abreast Deck openings in way of Wells	✓		Plating, Sheathing, material and thickness30 to .26 ✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓			DECK COVERING 2" THICK BY WAILS DONE. ✓	
Thickness of Plating within line of openings...	.28 ✓		Bridge Deck.		
If Sheathed, material and thickness	NO SHEATHING. ✓		Stringer Plate, breadth and thickness.....	✓	
RAISED QUARTER Second Deck.			Plating, Sheathing, material and thickness ...	✓	
Stringer Plate, breadth and thickness in Wells...	66" x .32 - .40 ✓		Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	.26 ✓	
			Plating, Sheathing, material and thickness26 ✓	
				BARE STEEL. ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? <i>NO</i>	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 <i>OUT</i>	<i>39'</i>	<i>.47</i>	<i>.43</i>	<i>.43</i>		<i>2 Rows.</i>	<i>3/4"</i>	<i>6 Riv.</i>	<i>3 Rows.</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>STRAPS</i>		
" DBLS. (if any)	<i>1 1/2 A 72'</i>	<i>3/8"</i>	<i>.40</i>	<i>.33</i>		<i>2 "</i>	<i>"</i>	<i>"</i>	<i>2 "</i>	<i>"</i>	<i>"</i>	<i>LAPS.</i>		
BOTTOM PLATING, No. of Strakes <i>OUT</i> <i>2</i>	<i>B 72'</i>	<i>3/8"</i>	<i>.40</i>	<i>.33</i>		<i>2 "</i>	<i>"</i>	<i>"</i>	<i>2 "</i>	<i>"</i>	<i>"</i>	<i>"</i>		
BILGE PLATING, No. of Strakes <i>1</i>	<i>C 59'</i>	<i>3/8"</i>	<i>.33</i>	<i>.33</i>		<i>2 "</i>	<i>"</i>	<i>"</i>	<i>2 "</i>	<i>"</i>	<i>"</i>	<i>"</i>		
SIDE PLATING, No. of Strakes <i>2</i>	<i>D 52'</i>	<i>3/8"</i>	<i>.33</i>	<i>.33</i>		<i>2 "</i>	<i>"</i>	<i>"</i>	<i>2 "</i>	<i>"</i>	<i>"</i>	<i>"</i>		
	<i>E 51'</i>	<i>.44 - 3/8"</i>	<i>.34</i>	<i>.33</i>		<i>2 "</i>	<i>"</i>	<i>"</i>	<i>3 to 2 "</i>	<i>"</i>	<i>"</i>	<i>"</i>		
UPPER DECK, Sheer-strake in Well	<i>F 45'</i>	<i>.54</i>	<i>.35</i>	<i>.33</i>	<i>44" x .54 upper</i>	<i>2 "</i>	<i>7/8"</i>	<i>5 Riv.</i>	<i>3 to 2 "</i>	<i>7/8"</i>	<i>3 1/8"</i>	<i>"</i>		
		<i>.70 AT BREAST R.O.D.</i>				<i>2 "</i>	<i>3/4"</i>	<i>6 Riv.</i>	<i>3 to 2 "</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>"</i>		
UPPER DECK, Sheer-strake in Bridge	<i>F 45'</i>	<i>.40</i>	<i>.33</i>	<i>.33</i>		<i>2 "</i>	<i>3/4"</i>	<i>6 Riv.</i>	<i>3 to 2 "</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>"</i>		
STRAKE BELOW Sheer-strake in Wells	<i>G 58'</i>	<i>.40</i>	<i>.33</i>	<i>.33</i>		<i>2 "</i>	<i>3/4"</i>	<i>"</i>	<i>3 to 2 "</i>	<i>"</i>	<i>"</i>	<i>"</i>		
STRAKE BELOW Sheer-strake in Bridge		<i>.55 AT BREAST POOP</i>				<i>✓</i>								
		<i>.51 " " R.O.D.</i>												
POOP SIDE PLATING	<i>H-I 46'</i>	<i>.26</i>	<i>.26</i>	<i>.26</i>	<i>.32 AT BREAST OF TOW.</i>	<i>1 "</i>	<i>5/8"</i>	<i>7 Riv.</i>	<i>1 "</i>	<i>5/8"</i>	<i>2 1/4"</i>	<i>STRAPPED AND LAPPED</i>		
BRIDGE SIDE PLATING	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>		
FORE'TLE SIDE PLATING	<i>56'</i>	<i>.26</i>	<i>.26</i>	<i>.26</i>		<i>1 "</i>	<i>5/8"</i>	<i>8 Riv.</i>	<i>1 "</i>	<i>5/8"</i>	<i>2 1/4"</i>	<i>STRAPS</i>		

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	3 ✓
„ Deck next below	✓
As per Rule	3

FORGINGS and CASTINGS.

	Casting or Forging.	Scanlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE KEEL ✓			
STEM	FLAT BAR ROLLED FORGED SEMP IRON	6 1/2" x 1 1/2" 6 x 3 3/4"	ARMSTRONG STEEL CO. T. S. FORSTER & SONS	
STERN FRAME {	Propeller Post	"	"	
RUDDER {	Rudder	"	"	SUNDERLAND.
Speed of Vessel	10 KNOTS. ✓			
RUDDER—Type	SEMI BALANCED. ✓			
" A x D	70 x 38 ✓			
" Diam. of head	FORGED SEMP IRON	4 3/4"	T. S. FORSTER & SONS	
" Mainpiece at top pintle	"	4 3/8"	SUNDERLAND	
" " heel ...	"	3 1/2"		
" how constructed	FORGED AND BUILT. ✓			
" double or single plate	✓	5/16	✓	
" coupling, vertical or horizontal	✓	HORIZONTAL.	✓	

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks							
"	"	Second	"				
"	"	Third	" ✓				
"	"	Holds ...	N ^o 25	40	75 ft.	30	
			34	28	8 x 3 1/2 x 7/16		
COLLISION			"				
		(in Hold)	94	42	30	10 x 3 1/2 x 7/16	24
AFTER PEAK			"				
		"	6	50	30	6 x 3 x 3/4	24
		"				5 x 3 x 25 ft.	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS.
ARMSTRONG STEEL CO., CORSETT IRON CO. SOUTH DURHAM S.S. CO. THORNTON LONG CO. STEWART & LLOYD'S LTD,
COLVILES LTD, SKIDNOR GROVE IRON CO

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

Lloyd's Register
Foundation

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 sister ship to M.V. "EMPIRE CLIFF" Hull F.E. report No. 51051.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

CARGO BATTENS NOT FITTED

	ANCHOR NO	WEIGHT	SURVEYOR.	Nº OF CERTIFICATE.	DATE.
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	40298 9.25	A.E.G.	2338 SUNDERS	26-10-39.
	2nd "	40299 10.25	J.D.	2813 "	2-5-40.
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 50 ft., R.Q.D. 119'8" ft., Bridge ft., Forecastle 20 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 164909 Signal Letters Extreme Breadth over Belting Over-all Length 202'8" FEET.

No. and Material of Decks 10" STEEL

Parts of Bottom of Vessel coated with cement or approved composition DOUBLE BOTTOM AND BILGES CEMENT.

Particulars of composition (if fitted) and of approval

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,	✓	✓	Fore peak tank,	✓ 20	69
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓ 18	67
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward, Nos 1 and 2 Tanks	✓ 126.27	194	Other tanks, if fitted, OIL FUEL BUNKERS in Motor Room 40 TONS.	✓	✓
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3210

Date 3rd April 1940

Dates of Surveys held while building

1939. Dec. 20. 29. 1940. Jan. 29. Mar. 13. 26. Apr. 3. 10. 16. May. 18. 23. 27. 30. June 4. 7. 13. 17. 19. 24. 26. 28. July. 5. 8. 12. 19. 22. 26. 31. Aug. 2. 6. 9. 13. 15. 19. 20. 22. Aug. 26. 28. Sept. 2. 6. 13. 18. 20. 24. 26. 30. Oct. 3. 4. 10. 15. 18. 22. 25. 29. Nov. 4. 6. 8. 11. 14. 18. 25. 27. 29. Dec. 4. 9. 13. 16. 30. 1941. Jan. 7. 13. 17. 21. 27. 30. Feb. 5. 7. 13. 21. 24. 27. Mar. 3. 4.

Total No. of Visits 81.