

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office 10 OCT 1939

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 *9/10/39*Port of *Newcastle on Tyne*No. *97941*Survey held at *Hallend on Tyne*Date First Survey *12 April 1938*Last Survey *2 October 1939*

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

Single Screw Motorship "THIARA"

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

*Full Scantling*State Type of Erections *Poop Bridge & Forecastle*TONNAGE under Tonnage Deck... *9348.19*CLASS **100A1*State if with freeboard as condition of Class *No*Built at *Hallend on Tyne*

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) *500*Launched *1 July 1939* Yard No. *1563*

Total

Breadth (greatest moulded) *16.25*Builders *Swan Hunter & Wigham Richardson Ltd.*Gross Tonnage *10363.91*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *37*Owners *Anglo Saxon Petroleum Co. Ltd.*Net Tonnage *6176.99*1st Longitudinal Number (L x D) *18500*

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

2nd Numeral L x (B + D) *50625*

Residence

REGISTERED DIMENSIONS.

Framing Depth "d" at middle of length. See Sec. 3 (1d) *13.51*Port of Registry *London*Length *505.8*Proportions—Depth to Length—Uppermost continuous deck to top of keel *1/3.51*

If surveyed while building, afloat, or in dry dock

Breadth *64.6*

Do. Long Bridge to top of keel

*While building and in dry dock*Depth *36.9*Brought Moulded *29.54***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 <i>IN MAIN TANKS</i>	<i>30 1/2</i>		Bracket Floors, Frame		
<i>FORWARD COFFERDAM</i>			" " Reversed Frame		
from 1/2 length amidships to Collision bulkhead	<i>28</i>		" " Vertical Struts		
<i>IN H.S.</i>	<i>31</i>		Centre Girder, depth and thickness amidships	<i>48</i>	<i>42</i>
in peaks	<i>24</i>		" " top Angles <i>Double</i>	<i>3 1/2</i>	<i>3 1/2</i> <i>44</i>
FRAMING.			" " bottom Angles <i>Double</i>	<i>4</i>	<i>4</i> <i>60</i>
<i>For long. framing see aft. 1*</i>			Side Girders, No. each side and thickness		
<i>main tanks</i>	<i>9 1/2</i>	<i>3 1/2</i> <i>45</i>	Margin Plate depth (excl. of flange) and thickness		<i>dash top straight across in chocky space</i>
<i>at sides</i>			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Extends up to	<i>upper deck</i>		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
Reversed Frame Amidships, Angle			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Extends up to			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Depth of Framing Girder	<i>9</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>5' 9" x 42</i>	<i>to wing tanks clear of transverse</i>
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			INNER BOTTOM PLATING. <i>checky space</i>		
" Second 'tween Decks, Angle, [or]			Breadth and thickness of Middle Line Strake <i>Under engine</i>	<i>71</i>	<i>56</i> <i>1.125</i> <i>56</i>
" Third <i>2" for 8' 9" tanks</i>	<i>10</i>	<i>3 1/2</i> <i>42</i>	Thickness of remainder <i>in Holds</i>		
<i>from 1/2 len. for'd. to 15% len. from Stem</i>	<i>10</i>	<i>3 1/2</i> <i>44</i>	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?		<i>Yes.</i>
<i>2" for 10" tank</i>	<i>10</i>	<i>3 1/2</i> <i>40</i>	BEAMS.		
in Peaks, Angle or [.....			Uppermost Continuous Deck, amidships <i>Long. see aft 1*</i>		
<i>in 8' 9" tanks</i>			in Wells, Angle, [or]		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8</i>	<i>4 7/8</i>	" " in way of Bridge, Angle, [or]		
State if Frame Joggled	<i>Yes.</i>		Spacing		
Do the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes.</i>		Second Deck, amidships, Angle, [or]		
Do the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes.</i>		Spacing		
DOUBLE BOTTOM.			Third Deck, amidships, Angle, [or]		
Floors, Depth and thickness at mid-line in Holds			Spacing		
Height of Brackets at side above base line at toe of frame			Fourth Deck, amidships, Angle, [or]		
Middle Line Keelson, on Floors, Angles, [or]			Spacing		
" " " Through Plate or Intercostal Plate			Poop Deck, Angle, [or]	<i>8</i>	<i>3</i> <i>40</i> <i>@ 31</i>
" " " Foundation Plate on Floors			Spacing	<i>8</i>	<i>3</i> <i>38</i> <i>@ 24</i>
" " " Flat Plate Keel Angles			Bridge Deck, Angle, [or]	<i>9</i>	<i>3 1/2</i> <i>40</i> <i>@ 31</i>
Side Keelsons, No. each side			Spacing	<i>8</i>	<i>3</i> <i>45</i>
" " thickness of Intercostal Plate			Forecastle Deck, Angle, [or]	<i>8</i>	<i>3</i> <i>48</i>
" " Angles			Spacing	<i>7</i>	<i>3</i> <i>36</i>
DOUBLE BOTTOM.			Forecastle Deck, Angle, [or]	<i>28</i>	<i>24</i>
Solid Floors, thickness and spacing <i>checky space</i>	<i>50</i>	<i>31</i>			
" " Are Frame and Reversed Frame joggled?	<i>Yes.</i>				
Bracket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate					

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Lloyd's Register Foundation

W 89-0008 (1/2)

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.....	8 1/2 ends 1	✓	Stringer Plate, breadth and thickness in way of Bridge	1	
„ in 'tween Decks, Size and Spacing.....	3 1/2	✓	Thickness of Plating abreast Deck openings in way of Wells	1	
„ „ „ „ „	3 1/2	✓	Thickness of Plating abreast Deck openings in way of Bridge	1	
„ in Holds „ „	1	✓	Thickness of Plating within line of openings.....	1	
Two Longl. „ „ „			If Sheathed, material and thickness		
Centre Line Bulkheads.			Third Deck.		
Stiffeners and Spacing..... Every 4 ft. 9	3 1/2 .43	✓	Stringer Plate, breadth and thickness.....	1	
Plating, thickness of .....	.43 vertical in one length. ✓	✓	If Plated, state thickness.....	1	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	1	
Stringer Plate, breadth and thickness in Wells	46 .84	✓	If Plated, state thickness		
At bridge ends & poop front	1.06	✓	Poop Deck.		
„ „ „ „ in way of Bridge			Stringer Plate, breadth and thickness	39 .38	✓
„ Angle in Wells	8 8 .67	✓	Plating, Sheathing, material and thickness ..	.30 .26	✓
Thickness of Plating abreast Deck openings in way of Wells .....	.80 NEXT STRINGER P+S ✓	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge .....	.80 P+S ✓	✓	Stringer Plate, breadth and thickness.....	43 .44	✓
Thickness of Plating within line of openings...	.80 S ✓	✓	Plating, Sheathing, material and thickness ..	.36	✓
If Sheathed, material and thickness .....	.82 CENTRE ✓	✓	Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	.38	✓
Stringer Plate, breadth and thickness in Wells...	.36 .34	✓	Plating, Sheathing, material and thickness ..	.36 .50 UNDER WINDLASS	✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>NO</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing or. to or.		Diam.	Spacing or. to or.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL A B & C STRAKES	55	1.08	.83	.83		Double	1 1/8	4 1/2	5-4	1 1/8	5	Lapped	
„ DBLG. (if any)	.78 to .82 from 1/2 L to C. B'ND.												
	Doubling plates A & C strakes in way of transverse & heads												
BOTTOM PLATING, No. of Strakes A } B } C } D }	.71	.55	.58		Double	7/8	3 3/7	5-3	7/8	4			
BILGE PLATING, No. of Strakes A } B } C } D }	.71	.67	.70 off end		Double	7/8	3 13/16	5-3	7/8	4			
SIDE PLATING, No. of Strakes A } B } C } D }	.69	.52	.52		F TOP TREBLE	7/8	3 13/16						
UPPER DECK, Sheer- strake in Wells.....	7 1/2	1.06	.52	.52	G " "	7/8	3 1/2	4-3	7/8	3 3/7			
UPPER DECK, Sheer- strake in Bridge ...	1.30				H " "	1	3 13/16						
STRAKE BELOW Sheer- strake in Wells.....	72	.82	.52	.52	I " "	1	3 13/16	5-3	1 1/8	5			
STRAKE BELOW Sheer- strake in Bridge ...	.82				L SHEER V	1	3 13/16					
POOP SIDE PLATING .....			.50 BREAK	.42	K TOP TREBLE	1 1/8	4 9/16	4-3	1	4		
BRIDGE SIDE PLATING ...	.44				Single	3/4	3	2-1	3/4	2 5/8		
FOREC'TLE SIDE PLATING			.44		Single	3/4	3	2-1	3/4	2 5/8			

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

[illegible]

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
 Colville & Co. Appleby Frodingham S. Co. Consett Iron Co. Dorman Long & Co.
 Skinningrove Iron Co. South Durham. Lancashire S. Co.

Has the Steel been tested as required by the Rules?

Lloyd's Register
Foundation

Swan Hunter & Pigham Richardson Hull No 1563

10 OCT 1939

Character assigned

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.)

Sister vessel:— "TORINIA" Newcastle report No. 97701

Plans forwarded to London with above report

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book 100 A1 Carrying petroleum in bulk
Cruiser stern. Machinery aft. Longitudinal framing at bottom and at deck.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	48.3.4	J.D.	1457	7.9.37
	2nd "	48.3.22	A.E.G.	1801	27.7.38
	3rd "	48.3.20	A.E.G.	1800	27.7.38

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 101.9 ft., R.Q.D. — ft., Bridge 42.2 ft., Forecastle 56.8 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 167340 Signal Letters Extreme Breadth over Belting 64-9.4 Over-all Length 525.4"
No. and Material of Decks 1 deck st. & 2nd deck clear of cargo tanks.
Parts of Bottom of Vessel coated with cement or approved composition No cement except peaks and engine room well cemented.
Particulars of composition (if fitted) and of approval None.

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,			Forepeak tank,	28	250
Double bottom, under Engines and Boilers,			Afterpeak tank,	18	135
Double bottom, if under Engines only,	77.6	199	Deep tank, aft,	—	—
Double bottom, if under Boilers only,			Deep tank, forward,	28	395
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	77.6	199	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5870

Date

7.3.38

Dates of Surveys held while building

1938
Apr. 12. 14. 19. 21. 26. 28. May 11. 13. 25. June 14. 28. July 4. 13. 20. 22. 28. Aug. 2. 5. 10. 15. 17. 22. Sep. 2. 15. 19. 23. 28. 30.
Oct. 4. 10. 11. 12. 14. 17. 18. 20. 21. 25. 26. 31. Nov. 4. 21. 24. 29. Dec. 5. 13. 16. 20. 28. 1939
Jan. 4. 9. 13. 23. 27. 31. Feb. 2. 7. 10. 13. 15. 16. 20. 23. Jan. 1. 6. 9. 10. 15. 17. 28. 31. Apr. 4. 6. 11. 17. 17. May 2. 5. 9. 18. 22. 24. 25. 26. 30. 31. June 1. 2. 5. 6. 7. 8. 9. 12. 14. 15. 16. 26.
28. 29. 30. July 3. 5. 6. 17. 20. 21. 22. 23. 28. Aug. 1. 10. 14. 22. 28. 29. Sep. 14. 20. 23. 26. 29. Oct. 2.

Total No. of Visits