

STEEL STEAMER OR MOTORSHIP.

Received at London Office.

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

22 JUN 1943

Port of

NEWCASTLE-ON-TYNE

No.

101367

Survey held at

Wallsend-on-Tyne

Date First Survey

11th March 1942

Last Survey

7th June

1943

On the

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

Single Screw Motor Tanker "NACELLA"

Machinery aft

State Type

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

Full Scantling

State Type of Erections

Poop, Bridge & Forecastle

TONNAGE under Tonnage Deck ...

7234.98

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

Total

Gross Tonnage

8196.39

Register Tonnage

4774.25

REGISTERED DIMENSIONS.

FEET

th

465.3

th

59.3

33.85

CLASS +100A.1. Carrying Petroleum in bulk.

State if with freeboard as condition of Class

FEET

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

L 460'-0"

Breadth (greatest moulded)

B 59'-0"

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'-0"

1st Longitudinal Number (L x D)

15640

2nd Numeral L x (B + D)

42780

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

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

13.52

Do. Long Bridge to top of keel

Draught Moulded

27'-4 1/4"

Built at Wallsend-on-Tyne

Launched March 22nd 1943 Yard No. 1675

Builders Swan, Hunter, Wigham Richardson & Co.

Owners The Anglo-Saxon Petroleum Co. Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

London

If surveyed while building, afloat, & 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	31 1/2	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame		
" " in peaks	24	✓	" " Vertical Struts		✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	5'-0" x 50" x 54" x 57"	✓
Frame Amidships, Angle, E or F	10 3 1/2 44	✓	" " top Angles	none	E. Welded. ✓
" " Extends up to	Upper Deck.	✓	" " bottom Angles	none	E. Welded. ✓
Reversed Frame Amidships, Angle		✓	Side Girders, No. each side and thickness	3 42" 75"	✓
" " Extends up to		✓	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	10	✓	" " Vertical Angle to Tank side		
Frames in Uppermost Continuous <i>Deep Tank forward.</i> between Decks, Angle, E or F	11 3 1/2 44	✓	Bracket abaft 1/4 len. from stem		
" " Second <i>Second</i> between Decks, Angle, E or F	9 3 1/2 40	✓	" " Vertical Angle to Tank side		
" " Third <i>Third</i> in Forecastle B.A.	7 3 40	✓	Bracket from forward 1/4 len. from stem to Panting Area		no ridge ✓
" " from 1/2 len. for'd. to 15% len. from Stem	8 3 1/2 46	F. ✓	Gussets, spacing and scantling abaft 1/4 len. from stem		
" " in Peaks, Angle or F	9 3 1/2 36	A. ✓	Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 4 7/8	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	Yes	✓	INNER BOTTOM PLATING. In Way of Engine only		
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	54" 1 1/8" under engine	✓
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		✓
SINGLE BOTTOM.			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			BEAMS. See Longit. framing report 1		✓
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in		✓
Middle Line Keelson, on Floors, Angles, E or F			Wells, Angle, E or F		✓
" " Through Plate or Inter-costal Plate			" " in way of Bridge, Angle, E or F		✓
" " Foundation Plate on Floors			Spacing		✓
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, E or F		✓
Side Keelsons, No. each side			Spacing		✓
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, E or F		✓
" " Angles			Spacing		✓
DOUBLE BOTTOM. In way of Engines only			Fourth Deck, amidships, Angle, E or F		✓
Solid Floors, thickness and spacing	42, 50 & 60 every frame		Spacing		✓
" " Are Frame and Reversed Frame joggled?	Yes, where fitted.		Poop Deck, Angle, E or F	7 3 40 8 3 40 8 3 46	✓
Bracket Floors, breadth and thickness at middle line			Spacing	every frame	
" " breadth and thickness at margin plate			Bridge Deck, Angle, E or F	7 3 42	✓
			Spacing	every frame	
			Forecastle Deck, Angle, E or F	8 3 36 8 3 43 9 3 1/2 54	✓
			Spacing	every frame	

(MADE IN ENGLAND.)

002929-002937-0209 1/3

PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
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								
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								
Plating, Sheathing, material and thickness								
Bridge Deck.								
Stringer Plate, breadth and thickness								
Plating, Sheathing, material and thickness								
Forecastle Deck.								
Stringer Plate, breadth and thickness								
Plating, Sheathing, material and thickness								

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	87	.86	.78	.78		2R	1	4				
„ Dblg. (if any)												
Bottom Plating, No. of Strakes	{ A B C	.67 .66 .64	.74 .74 .70	.53 .53 .50		2R	7/8	3 1/2				
Bilge Plating, No. of Strakes	{ D E	.64 .64	.50 .50	.50 .50		2R	7/8	3 1/2				
Side Plating, No. of Strakes	{ F G H	.64 .64 .64	.50 .50 .50	.47 .47 .47		2R	7/8	3 1/2				
Upper Deck, Sheer- strake in Wells.....	{ K L	.56 1.00	.50 .50	.50 .50		2R	1	4				
Upper Deck, Sheer- strake in Bridge ...	{ M N	1.20 1.20	see plan				1	4				
Strake below Sheer- strake in Wells.....	{ O P	.83 3/4 .76	.50 .50	.50 .50		2R	7/8	3 1/2				
Strake below Sheer- strake in Bridge ...	{ Q R	.76 .76				2R	7/8	3 1/2				
Poop Side Plating.....				.40		1R	3/4	3				
Bridge Side Plating.....		.43										
Forecastle Side Plating			.43			1R	3/4	3				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	16
Deck next below	1
As per Rule	✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Roller Bar	10 1/2 x 3 1/4		
STEM				
STERN FRAME	Propeller Post			
	Rudder			
Speed of Vessel	12 knots			
RUDDER—Type	Simplex			
A x D	387			
Diam. of head	11 in			
Mainpiece at top pintle				
heel				
how constructed	as approved			
double or single plate	Double			
coupling, vertical or horizontal	Vertical			

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	✓								
" " Second	✓								
" " Third	✓								
" " Holds	✓								
COLLISION (in Hold)	✓								
AFTER PEAK	✓								

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth*
Appleby & Nottingham Steel Co. Ltd. Anglo Saxon Steel Co. Consett Iron Co. Colville & Co. Dorman Long Co. Raine & Co. Skinningrove Iron Co. Steel Co. of Scotland. South Durham Steel & Iron Co.
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 44693 on Mide LETTER C+ ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, PER STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested, and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
42316	1st Bower	74	0	0	✓	-	-	55	5	0	0	✓	43	Byers improved stock	✓	L.P.M.S. 4/9/42. R.J. Vogan	
41980	2nd "	73	0	7	✓			55	10	0	0	✓	43	Do	✓	L.P.M.S. 30/5/42. W.V. Norman	
	3rd "												43				
	Collective weight																
55575	Stream	22	2	7	✓	5	2	22	22	16	3	14	✓	22	Rodgers. Tied. W.E. Inon	✓	L.P.H.C.H. 20/11/42. W.V. Norman

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Fathoms.	Ins.	Stations.	Break-ing.	Supplied.	Per Rule.	Fathoms.	Ins.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
3160	240	27/16	1069/10	149 3/8	713-3-21			300	2 1/2	Stud	✓	L.P.H.N. 13/11/42. J.A. Reff.		TOWLINE	130	5 1/4	77.5	130	5 1/4
														HAWSERS & WARPS	2-100	3 1/4	21.7	2-100	2 3/4
															2-100	3 1/4	21.7	2-100	2 3/4
Iron Stream	120	5"		52.8				120	5	6/12									

Steering Gear, Type (Power ~~on hand~~) Steam Hydraulic by J. Hastie & Sons Alternative Means of Steering Blocks & Dackles

Steering Chains (Size and Test) ✓ Windlass Steam by Emerson Walker 25'-0" x 8'-2 1/2" x 3'-5 1/2"
25'-1" x 8'-3 1/2" x 3'-7" MOTOR
25'-0" x 8'-1 1/2" x 3'-6" MOTOR

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.-(Upper Deck) Steel plates- Standard Circular 4'-0" dia. as approved. Thickness of Hatches 40" x 42"

Size of Hatchways No. 1 (Fwd.) 8'-0" x 8'-0" No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature SWAN, HUNTER & WIGHAM RICHARDSON LTD.
M. Boelen
 NAVAL ARCHITECT.

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel Motor Vessel.
 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo oil tanker The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been constructed in accordance with the approved plans, the Secretary's letters and generally conforms with the Society's Rules for the class contemplated. The materials and workmanship are good. The weather decks clear of oil tanks, and W.T. bulkhead above peak tank forward have been hose tested and found satisfactory. The peak tanks, all cargo tanks, deep tank forward, oil fuel bunkers, cofferdams and double bottom tanks have been tested as required by the Rules and found satisfactory. The requirements of Section 20 of the Rules, where applicable, for the carriage of oil fuel, having a flash point above 150°F have been complied with. The windlass and steering gear have been tried over, (quayside,) and found satisfactory.

The assigned fireboards have been marked on the vessels sides, verified, and cut in.

The oil fuel is carried in bunkers at the forward end of the engine room, in fore deep tank, and part of the double bottom tank under the machinery space.

The amount of Entry Fee..... £ 11 : 0 : 0 ✓ Fees applied for, 29 JUN 1943
 Special Survey Fee..... £ 607 : 7 : Received by me, 19
Freelance 19 0 0
 Travelling Expenses, if any..... £ : :
 State whether the Vessel has been built under Special Survey Yes
 Certificate to be sent to NEWCASTLE-ON-TYNE. Date of issue 27/7/43
 Committee's Minute FRID. 16 JUL 1943
 Character assigned +100A1 Carry? Petrol in Bk
Lloyds A.P.C. + LMC 6,43 CH
2 DB 180 lbs
write etc.
Ed Eng

I am of opinion the Vessel should be Classed +100A1. Carrying petroleum in bulk.
 Signature E.H. Dean & L. Little
 Surveyor to Lloyd's Register of Shipping.

The Surveyors are requested not to write on or below the Committee's Minutes.

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 similar to M.V. DONOVANIA Hawthorn Leslie No 631 & similar vessels (Hencecastle report no. 99893.)

The approved plans & forging reports as per enclosed list are forwarded with this report.

PARTICULARS OF ELECTRIC WELDING (if employed)

Vessel all electrically welded excepting: Ship side frames, bottom longitudinals, upper deck longitudinals, seams of upper deck plating and shell plating, and details of beam knee connections

Electrodes used and methods employed are in accordance with the rules.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser Stern; machinery aft; longitudinal framing at bottom and decks; Kloyd A & C.P.; E.S.D. D.F.

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

1st Bower ^{SW} 44-1-20. Int. S.P.R. No. of Cert. 4992. Date 8/7/42.
2nd " 43-2-24. " J.D. " 3987. " 19/2/42.
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 93'-8 1/4" ft., R.Q.D. ✓ ft., Bridge 44'-7 1/4" ft., Forecastle 48'-0 1/2" ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 168444 Signal Letters G.B.B.V. Extreme Breadth over Belting (Circ. 1611) Over-all Length 483'-3" ✓ (Circ. 1703)

No. and Material of Decks 1st 5th 2nd Deck clear of Cargo Tanks.

Parts of Bottom of Vessel coated with cement or approved composition Bottom of fore and after peak tanks, and engine room double bottom tanks.

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,	23'-3 1/2"	132 ✓
Double bottom, under Engines and Boilers,			After peak tank,	14'-0"	82 ✓
Double bottom, if under Engines only,	59'-3 1/4"	135 ✓	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	24'-5"	293 ^{incl. 21.7.42}
Double bottom, forward,			Other tanks, if fitted, ^{oil fuel only} _{off C.O. 3} _{and C.O. 3}	3'-0"	161
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)	3'-0"	142

Order for Special Survey No. 5844

Date 8/12/41.

Dates of Surveys held while building

1942
MAR. 11-16. APR. 2-10-16-20-21-29. MAY 6-12-18-20. JUNE 2-4-5-11-23. JULY 2-6-8-10-14-17-20-24-28-29. AUG. 7-12-19-24.
SEPT. 1-3-8-11-17-21. OCT. 2-7-12-15-20-22-28. NOV. 9-12-18-20-23-26. DEC. 1-9-18-22-23-29.
1943
JAN. 7-14-15-26-27-28-30. FEB. 2-4-5-8-10-11-13-15-16-17-18-19-20-22-23-25-26-27. MAR. 1-3-4-5-6-9-11-13-15-17-18-19-23-26.
APR. 8-13-19-28. MAY 4-6-12-15-18-21-24-25-26-31. JUNE 1-2-7.

Total No. of Visits 116

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.			
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam. Ins.	Speng. Ins.	Inches.	Number.	Diameter. Inches.
Framing of L, C or E												
Frames in Bridge 'tween Decks ...												
Frames from Uppermost Continuous Deck	No. 1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
Bottom Longitudinals	12											
	13											
	14											
	15											
	16											
Spacing of Longitudinal Frames	Amidships											
	At Ends											
Double Bottoms	Tank Top Longitudinals											
L, C or E	Bottom											
Spacing of Longitudinals	Amidships											
	At Ends											
Transverses.												
Side (in 'tween Decks)	Depth and Thickness											
	Face Angles											
	Lugs to Shell*											
Side (in Hold)	Depth and Thickness											
	Face Angles											
	Lugs to Shell*											
Bottom	Depth and Thickness											
	Face Angles											
	Lugs to Shell*											
	" " Back Bars											
	Brackets											
Spacing of Transverse Frames	State if joggled or liners.											
Longitudinal Beams of L, C or E	Bridge Deck											
	Upper											
	Second											
	Third											

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

lm.237. T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

Character assigned

T100A1 Carry: set in Nk

Shore: 2nd P. + 1st 6' 4" 3' 1'

0209 3/3