

STEEL STEAMER or MOTORSHIP.

Received at London Office

13/9/41

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

SEPT 2ND 41.

Port of

MIDDOLESBROUGH.

No.

17097

Survey held at

HARTON HILL ON TEES

Date First Survey

15TH November, 1939.

Last Survey

30TH August, 1941.

On the

(State if Machinery Fitted Aft and if Single, Double or Triple Screw)

MACHINERY RET SINGLE SCREW TANKER "EMPIRE AMETHYST"

State Type

(Full Scantling, Complete Scantling, or Partial Scantling)

FULL SCANTLING

State Type of Erections

B.B. & F.E.E.

TONNAGE under

7197.47

Tonnage Deck...

CLASS 100 A.C. CARRYING State if with freeboard) PATROLGUN IN BULK. LONGITUDINAL as condition of Class) FRAMING AT BOTTOM AND AT DECK

FEET.

Built at HARTON HILL ON TEES.

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

Length from fore part of stem to after part of stern } L 464'-0" most on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded) B 61'-0"

Launched JULY 8TH 1941. Yard No. 330

Total

7197.47

Gross Tonnage

8032.20

Register Tonnage

4675.62

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 33'-3"

1st Longitudinal Number (L x D)..... = 15295

2nd Numeral L x (B + D)..... = 43355

Builders FURNESS S.B. & L^{TD}

Owners MINISTRY OF WAR TRANSPORT

Managers HOLEY SHIPING CO^{LTD}

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

Residence

Port of Registry MIDDOLESBROUGH.

If surveyed while building, afloat, or in dry dock

SURVEYED 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	31" ✓		Bracket Floors, Frame	8' 3 1/2" 7/16"	BA see plan
" " from 1/2 length amidships to Collision bulkhead.....	30 1/2" 1/2 B SPACE ✓		" " Reversed Frame	8' 3 1/2" 45"	BA " "
" " in peaks.....	31" 26" ✓		" " Vertical Struts PLATES 2-11" 52" ✓	MS 8 1/2" 50" 54" ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33' 10" 60" ✓	
Frame Amidships, Angle, E or L	10' 3 1/2" 40" ✓		" " top Angles	MS 3 1/2" 3 1/2" 53" ✓	
" " Extends up to UPPER DECK.	✓		" " bottom Angles	D 6 6 50" ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ER TWO 50" ✓	
" " Extends up to...	✓		Margin Plate depth (excl. of flange) and thickness	35 ONE 52" ✓	
Depth of Framing Girder.....	10" ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or L	10' 3 1/2" 50" ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, E or L	6" 3 1/2" 3/8" ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		
" " Third " " " "	INTERMEDIATE NOT ATTACHED. ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area.....		
" " from 1/2 len. for'd. to 15% len. from Stem.....	12' 3 1/2" 45" ✓	IN DEEP TANK. ✓	Tank Side Brackets, height above base line at toe of Frame and thickness	10' 10" 55" 83" ✓	
" " in Peaks, Angle or L	8' 3 1/2" 7/16" ✓		" " " " " "	4' 3" 45" 12" ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 47/8" ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	YES. ✓		Breadth and thickness of Middle Line Strake	ER 30" 52" ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		" " " " " "	ER 54" 58" ✓	
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 C.B. SPACE	ER 54" 58" ✓	
INGLE BOTTOM. AT FORE END. ✓			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?	YES. ✓	
Floors, Depth and thickness at mid-line in Holds	4'-0" x 38" ✓		BEAMS. IN WAY OF MACHINERY SPACE. ✓		
Height of Brackets at side above base line at toe of frame	7'-0" x 40" 3" FL. ✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or L	8' 3 1/2" 7/16" ✓	EVERY FRAME ✓
Middle Line Keelson, on Floors, Angles, IN CARGO TANKS	40 1/2" 42" ✓		" " " " in way of Bridge, Angle, E or L		LONGITUDINAL BEAMS IN WAY OF OIL TANK. ✓
" " " " Through Plate or Intercostal Plate	3 1/2" 3 1/2" 7/16" ✓		Spacing	(SEE SEPARATE SHEET) ✓	
" " " " Foundation Plate on Floors			Second Deck, FORWARD amidships, Angle, E or L	8' 3 1/2" 7/16" ✓	
" " " " Flat Plate Keel Angles	D 4' 4" 50" ✓	STAIR 50" ✓	Spacing	EVERY ✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, E or L	✓	
" " thickness of Intercostal Plate...	✓		Spacing	✓	
" " Angles	✓		Fourth Deck, amidships, Angle, E or L	✓	
DOUBLE BOTTOM. IN MACHINERY SPACE.			Spacing	✓	
Solid Floors, thickness and spacing	MS 42 30 1/2 3 1/2 30 ✓		POOP DECK, Angle, E or L	8' 3 1/2" 7/16" ✓	
" " Are Frame and Reversed Frame joggled?	RA IN BOILER SPACE. NOT JOGGED. ✓		Spacing	EVERY ✓	
Bracket Floors, breadth and thickness at middle line.....	2'-11" x 52" ✓		Bridge Deck, Angle, E or L	LONGITUDINAL (SEE SEPARATE SHEET) ✓	
" " breadth and thickness at margin plate.....	AS APPROVED. ✓		Spacing		
Forecastle Deck, Angle, E or L			IN WAY OF WINDLASS	8' 3 1/2" 35" ✓	
Spacing			" " " " " "	9' 3 1/2" 3/8" ✓	

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.
" in 'tween Decks, Size and Spacing.....							
" " " " " "							
in Holds							
O.T. CENTRE LINE BULKHEAD IN DEEP TANK FORWARD. PLATING 44"-40" STIFF 10"x3 1/2" 50" SPACED 26"x31" WEB FRAMES ON 166' 28"x40" D. FACE BARS 8"x3 1/2" 35' ✓							
Centre-line Bulkhead. FORT & STARBOARD SIDES. Stiffeners and Spacing..... 10"x3 1/2" 42' 31" SPACING. ✓							
Plating, thickness of		51'-40" ✓					
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells		90' 78" ✓					
" " " " in way of Bridge		92' AT BREAK OF POOP AND BRIDGE. 78" ✓					
" Angle in Wells		6' 6' 5/8" ✓					
Thickness of Plating abreast Deck openings in way of Wells		72' - 60" ✓					
Thickness of Plating abreast Deck openings in way of Bridge							
Thickness of Plating within line of openings...							
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...							
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		37' ✓					
Plating, Sheathing, material and thickness ..		30' ✓					
Bridge Deck.							
Stringer Plate, breadth and thickness		80 1/2' 37' ✓					
Plating, Sheathing, material and thickness ..		34' ✓					
Forecastle Deck.							
Stringer Plate, breadth and thickness		37' ✓					
Plating, Sheathing, material and thickness ..		36' ✓					
		50' ✓					

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? No ✓		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	Inches.	Inches.	Inches.	Inches.			Diam. Spacing cr. to cr.	Diam. Spacing cr. to cr.	
FLAT PLATE KEEL	53" ✓	97" ✓	80" ✓	82" ✓		DOUBLE. ✓	1" 4" ✓	QUARTER FOR 1/2 LTH QUARTERS 1" 4" ✓	LAPPED. ✓
" BELG. (if any)									
THREE STRAKES NEXT KEEL INCREASED FROM 1/2 LTH FWD TO COLLISION BULK 77" 31" IN WAY OF 31" AS SPACING. ✓									
BOTTOM PLATING, No. of Strakes	A-Q.	70" ✓	50" ✓	66" ✓			7/8" 3 1/2" ✓	4" 7/8" 3 1/2" ✓	LAPPED. ✓
BILGE PLATING, No. of Strakes	E	64" ✓	50" ✓	66" ✓					
SIDE PLATING, No. of Strakes	G	63" ✓	46" ✓	46" ✓					
UPPER DECK, Sheer-strake in Wells	K 72 1/2" ✓	94" ✓	46" ✓	46" ✓			1" 37/8" ✓	5-4" 7/8" 3 1/2" ✓	
UPPER DECK, Sheer-strake in Bridge ...	K 72 1/2" ✓	112" ✓					1" 37/8" ✓	5" 1 5/8" 5 1/8" ✓	
STRAKE BELOW Sheer-strake in Wells	J 72" ✓	78" ✓	46" ✓	46" ✓			1" 37/8" ✓	4-3" 7/8" 3 1/2" ✓	
STRAKE BELOW Sheer-strake in Bridge ...									
POOP SIDE PLATING			40" ✓			SINGLE. ✓		2" 3/4" 2 5/8" ✓	
BRIDGE SIDE PLATING ...		44" ✓				SINGLE. ✓		2" 3/4" 2 5/8" ✓	
FORECASTLE SIDE PLATING			43" ✓			SINGLE. ✓	3/4" 3" ✓	1" 3/4" 2 5/8" ✓	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	16 B.H. I.R.B.K.
Extending to Upper Deck (Sec. 3 c)	15 BULKHEADS. } TO UPPER DECK.
" Deck next below	2 WATERTIGHT } TO UPPER DECK. ✓
As per Rule	ALL EXTENDED TO UPPER DECK. ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE. ✓			
STEM	CAST STEEL EXTENSION STEM PLATING 160' ✓			
STERN FRAME	Propeller Post BUILT UP PLATES 1 1/2" THICK 9 STEEL CASTINGS. ✓			
	Rudder BUILT UP PLATES. ✓			
Speed of Vessel	12 KNOTS. ✓			
RUDDER—Type	DOUBLE PLATE STREAM LINED. ✓			
" A x D	664. ✓			
" Diam. of head	FORGED STEEL. 14" ✓			
" Mainpiece at top pintle	CAST STEEL PINTLE COUPLING. ✓			
" heel ...				
" how constructed				
" double or single plate coupling, vertical or horizontal	HORIZONTAL 6 BOLTS. ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	54" ✓	10"x3 1/2" 40' 36" ✓			
" " Second "	41" ✓	INCREASED ON BULK 120' 32" ✓			
" " Third "	54" ✓	10"x3 1/2" 40' 36" ✓			
" " Holds	41" ✓	10"x3 1/2" 50' 36" ✓			
COLLISION " (in Hold)	52-26	12"x3 1/2" 45' 24" TO W.T. SEMI BOX BEAM. ✓			
AFTER PEAK "	50-30	9"x3 1/2" 36' 24" TO U.O. ✓			
		7"x3 1/2" 33' 24" T.U.O. ✓			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS.	
STEEL. Plates. South Durham S.S. Co. Bethlehem Steel Company. Sections Corro Flat Iron Co. Dormer Long & Co.	
Has the Steel been tested as required by the Rules? YES.	

5/16 IMPURE AMETHYST.

PARTICULARS OF LONGITUDINAL FRAMING.

REPORT NO. 17097.

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. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter. Inches.	
Framing of $\overline{L} \overline{L} \overline{E}$		7"	3	$\frac{3}{8}$ "	✓				$\frac{3}{4}$ "	$4\frac{1}{2}$ "		7	$\frac{7}{8}$ "	
Frames in Bridge 'tween Decks ...														
Frames from Uppermost Continuous Deck No. 1		30" APART. ✓												
" 2		SIDE FRAMING BELOW UPPER DECK TRANSVERSE. ✓												
" 3														
" 4														
" 5														
" 6														
" 7														
" 8														
" 9														
" 10														
BOTTOM LONGITUDINALS. {		11	12'	3 $\frac{1}{2}$ '	50"	✓	12'	3 $\frac{1}{2}$ '	50"	✓	$\frac{7}{8}$ "	5 $\frac{1}{2}$ "	{ $\frac{7}{8}$ " DIA RIVETS SPACED 3 $\frac{1}{2}$ " APART EACH SIDE OF TRANSVERSES & BULKHEADS. ✓ $\frac{7}{8}$ " DIA RIVETS IN BRACKETS TO BULKHEADS 18" TO LONG 16 VERTICALLY ✓	
		12	17'	58"	4' 4"	68"	✓	17'	58"	4' 4"	68"	✓		
		13	"					"						
		14	"					"						
		15	"					"						
		16	"					"						
Spacing of Longitudinal Frames { Amidships		3'-0"	✓			3'-0"	✓							
At Ends		3'-0"	✓			3'-0"	✓							
Double Bottoms { Tank Top Longitudinals														
L, E or C { Bottom ..		✓												
Spacing of Longitudinals { Amidships		✓												
At Ends...														
Transverses.														
BRIDGE Side { (in 'tween Decks)		Depth and Thickness	15'	38"	✓		✓							
		Face Angles	3'	3'	38"	✓		✓						
		Lugs to Shell*	3 $\frac{1}{2}$ '	3 $\frac{1}{2}$ '	38"	✓		✓						
Side { (in Hold)		Depth and Thickness	TRANSVERSE FRAMING.											
		Face Angles												
		Lugs to Shell*												
Bottom {		Depth and Thickness	37'	44"	SIDE	✓		✓						
		Face Angles	40 $\frac{1}{2}$ '	44"	CR.	✓		✓						
		Lugs to Shell*	6'	3 $\frac{1}{2}$ '	56"	✓		✓						
Bottom {		Face Angles	70°	6'	3 $\frac{1}{2}$ '	56"	✓		✓					
		Lugs to Shell*	6'	6'	50"	✓		✓						
		" " Back Bars ...	3 $\frac{1}{2}$ '	3 $\frac{1}{2}$ '	7 $\frac{1}{6}$ "	✓		✓						
Brackets		44"												
Spacing of Transverse Frames		10'-4"	✓											
* State if jogged or liners.														
Longitudinal Beams of $\overline{A}, \overline{L} \& \overline{K}$		Bridge Deck ...	5'	3	$\frac{3}{8}$ "	✓		✓		Spacing.	3'-0"			
		Upper ..	9	3 $\frac{1}{2}$ '	7 $\frac{1}{6}$ "	✓		✓			3'-0"			
		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.

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.

1m,2,37. T.

X165-0167 (213)

Tilled for oil fuel 8.41 Ft. above 1910

EQUIPMENT No 44835.											LETTER C7	ANCHORS. 2.8.15.			
Number of Certificate.	Anchors.	WEIGHT, EX 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.				
40429.	1st Bower ...	73	2	7				55	15	0	0	73-1-0	3 1/2" IMPROVED STOCKS	✓	SUNDERLAND, 28-12-40 WUN.
40357.	2nd „ ...	73	2	5				55	15	0	0	73-1-0	“	✓	“ 21-11-40 WUN.
	3rd „ ...														
	Collective weight.	147	0	12								146-2-0			
53843.	Stream	22	1	21	5	3	6	22	15	0	0	22-0-0	COMMON FORGED.	✓	CAROLEY HEATH, 13-2-41 SCP.

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.			
					Supplied.	Per Rule.							Length.	Cir.		Length.	Cir.		
	Length.	Diam.	Statu- tory.	Break- ing.	Tons.	Cwts. qrs. lbs.	Owts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
112936 To												TOWLINE...	130	5 1/2	77.5	130	5 1/2		
112937																			
116426 To	300	2 1/2	1138	139.3	740-1-0.			300	2 1/2	TAYCO. S. Taylor & Sons.	NORTHAMPTON 7-2-41 JAA 21-7-41 JAA.	HAWSERS & WARPS	2	100	2 1/2	15.2	2	100	2 1/2
116429	FOR DETAILS OF CABLES SEE BACK PAGE OF REPORT													2	100	2 1/2	15.2	2	100
												"							
Iron Stream Chain or Steel Wire	120	5			70.9			120	5	STEEL WIRE		"							

Steering Gear, Type (Power or hand) *DONKIN - C. L. TO STEAM - HYDRAULIC COMBINED.* Alternative Means of Steering *BLOCKS - TACKLE LED TO CAPSTAN ON POOP.*

Steering Chains (Size and Test) *NONE FITTED.* Windlass *EMERSON WALKER, STEAM DIRECT* Boats *4 LIFEBOATS 24'-0" x 7'-6" x 3'-0"*

Ceiling in Holds, thickness and material *NONE FITTED.* Cargo Battens, thickness, material and spacing *NONE FITTED.*

Cargo Hatchways. (Upper Deck) *OIL TIGHT HATCHES 30' x 40' COAMINGS.* Thickness of Hatches *OT. 1/4" Fore Hatch 5/16"*

Size of Hatchways No. 1 (Fwd.) *7'-5" x 7'-0"* No. 2 *7'-5" x 7'-0"* No. 3 *7'-5" x 7'-0"* No. 4 *7'-5" x 7'-0"* No. 5 *7'-5" x 7'-0"* No. 6 *7'-5" x 7'-0"*

Number of Shifting Beams and/or Fore and Afters *10*

Builder's Signature *J. M. Governor*

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 *Yes.*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Yes.* 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). *Fitted for oil fuel flash point above 150°F. Double bottom in boiler space and side bunkers.*

This vessel has been built in accordance with the approved plans, the Secretary's letter, and in general conformity with the Society's Rules and regulations for the class contemplated.

The main oil cargo tanks, cofferdams, oil fuel bunkers, double bottom tanks in machinery space, forward deep ballast tank, fore & after peak tanks, fresh water tank have been tested to rule requirements with satisfactory results.

The upper part of the fore peak bulkhead, weather decks clear of oil tanks have been tested with water from a hose and found tight.

The steering gear, hand & steam, windlass & winches have been tested under working conditions and found satisfactory.

The workmanship and materials are good.

The foreward has been marked on the vessel's side, cut in and verified.

The amount of Entry Fee £ 11 + 0 + 0

Special Survey Fee.... £ 601 + 4 - 0

Travelling Expenses, if any £ 19 - 0 - 0

Fees applied for, 1944

Received by me, 19

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed *100.A.1. CARRYING PETROLEUM IN BULK, WITH NOTATION LONGITUDINAL FRAMING AT BOTTOM & AT DECK, FITTED FOR OIL FUEL FLASH POINT ABOVE 150°F.*

State whether the Vessel has been built under Special Survey *Yes* Signature *April 12, 1941*

Certificate to be sent to *Middlesbrough* Date of issue *22/10/41*

Committee's Minute *TUE. 28 SEP 1941*

Character assigned *+ 100A1*

Carrying Petroleum in bulk.

Lloyd's acc. S.S.D.

+ Limb. S. 41

Fitted for oil fuel S.S.D. 150°F.

W105-0167(313)

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 vessels built by Furness, S.B.C. & L^{td}. No 325, EMPIRE GOLD, No 326 EMPIRE GRANITE
No 327 EMPIRE OIL No 328 EMPIRE MICA
No 329 EMPIRE SARDAIRE

PARTICULARS OF CABLE

No of Certificate	Supplied Length	Size	TEST PERCENTAGE STAT	BREAKING	Weight Supplied	DESCRIPTION	MAKERS	When Where Tested Supt.
112936	15	2 1/2"	113-16-0	159-6-0	36-3-8	STAD LINE TAYCO.	STAYLOR & SONS	7th Feb 41, HERTHINGTON J.A.R.
112937	15	-	-	-	36-2-22	"	"	"
112938	15	-	-	-	36-3-22	"	"	"
112939	15	-	-	-	36-3-22	"	"	"
112940	15	-	-	-	36-2-22	"	"	"
112941	15	-	-	-	36-2-15	"	"	"
112942	15	-	-	-	37-0-0	"	"	"
112943	15	-	-	-	36-3-15	"	"	"
112944	15	-	-	-	36-3-15	"	"	"
112945	15	-	-	-	37-0-8	"	"	"
112946	15	-	-	-	37-0-0	"	"	"
112947	15	-	-	-	37-0-8	"	"	"
112948	15	-	-	-	37-1-12	"	"	"
112949	15	-	-	-	37-0-22	"	"	"
112950	15	-	-	-	38-0-6	"	"	"
112951	15	-	-	-	38-0-6	"	"	"
116426	15	-	-	-	37-1-0	"	"	July 21st HERTHINGTON J.A.R.
116427	15	-	-	-	36-2-0	"	"	"
116428	15	-	-	-	36-3-7	"	"	"
116429	15	-	-	-	36-1-14	"	"	"
TOTAL					740-1-0			

PARTICULARS OF ELECTRIC WELDING (if employed) Rudder (Stem frame part) Quasi Arc electrodes

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. 100 A/L. Carrying petroleum in bulk. Longitudinal framing at bottom and at deck. Gruben stern, Machinery aft, echo sounding, Direction finding apparatus.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	44-1-10 ✓	J.T.	No 3413	31-8-40
	2nd "	43-2-3 ✓	J.T.	No 3443	18-9-40.
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 105.33 ft., R.Q.D. ✓ ft., Bridge 43.16 ft., Forecastle 38.2 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 164848. Signal Letters Extreme Breadth over Belting (Circ. 1811) Over-all Length 479'-0 1/2" (Circ. 1708)
No. and Material of Decks 1st Dk (Sd) 2nd Dk (Sd) CLEAR OF CARGO TANKS.
Parts of Bottom of Vessel coated with cement or approved composition As Below.

Particulars of composition (if fitted) and of approval. Fore & after peak tanks & Cofferdams in E.S. cement in bottom & cement washed. Pump rooms coated with graphite below flooring, paint above, remainder of tanks including cargo tanks left bare.

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,	23'-5"	140
Double bottom, under Engines and Boilers,			After peak tank,	16'-0"	78
Double bottom, if under Engines only,	38'-3"	95	Deep tank, aft,	32'-0"	664
Double bottom, if under Boilers only,	43'-11 1/2"	279	Deep tank, forward,		
Double bottom, forward,	2'-6 3/4"		Other tanks, if fitted,		
Total length (if continuous) and Capacity	82'-2 1/2"	374	(If necessary, furnish further information by sketch.)		
	85'-0"				

Order for Special Survey No. 1528.

Date 1.11.39.

Dates of Surveys held while building

1939 Nov. 15. Dec. 6. 1940 Jan. 3. 25. 26. 29. Feb. 14. March 5. Aug. 7. 22. 29. 30. Sept. 10. 13. 30. Oct. 8. 14. 17. 21. 22. 1941 Nov. 1. 26. 28. 29. Dec. 3. Jan. 13. 14. 23. 24. 28. 29. 31. Feb. 4. 5. 7. 10. 24. 28. March 18. 21. April 4. 7. 9. 17. 22. 25. May 1. 2. 7. 8. 16. 19. 21. 23. 26. 28. 30. June 5. 6. 9. 11. 16. 18. 20. 23. 25. 27. 30. July 2. 4. 7. 8. 31. Aug. 4. 7. 11. 14. 15. 26. 28. 30.

Total No. of Visits 81.