

State if Report has been sent on the Freeboard of the Vessel 7/45

State if Report is sent on the Machinery of the Vessel..... *Yes*

Date of completion of report OCT. 14TH 1941. Port of MIDDLEBOROUGH. No. 14123
Survey held at HAVERTON HILL, ON-TEES. Date First Survey 10th October, 1940 Last Survey 9th October 1941

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) MACHINERY AFT SINGLE SCREW STEAM TANKER EMPIRE EMERALD

State Type (~~Full Scantling, Complete Superstructure~~) **FULL SCANTLING.** State Type of Erections **WOOD BRIDGE, FILL**

TONNAGE under Tonnage Deck... 7197.47 CLASS 100 A.1. CARRYING State if with freeboard No Built at Haverston Hill, ON. T.E.S.S.
PETROLEUM IN BULK LONGITUDINAL condition of Class

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 460'-0" Launched Aug 24 1941 Yard No. 334 Builders EVANS & SONS

Total	7197.47	Breadth (Greatest moulded)	B	8'-8"	Owners <u>MINISTRY OF WAR TRANSPORT</u>
Gross Tonnage	8032.20	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous	D	33'-3" ✓	

Register Tonnage 4675.62 Net Longitudinal Number (L x D)..... = 15295 ✓ Managers C.T. WONGKING & CO. LTD.
(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. *Exposing Depth "d" at middle of length See)* Residence **LIVERPOOL.**

Length 463.5 Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 13.83 ✓ Port of Registry MIDDLESBROUGH.

Breadth 61.2 Do. Long Bridge to top } If surveyed while building, afloat, or in dry dock

Depth *33.05.* Draught Moulded *27'-1 1/2"* *SURVEYED WHILE BUILDING AND RELOAT*

FRAMES, DOUBLE BOTTOM AND BEAMS.

[illegible]

EQUIPMENT No 43355												LETTER C7.		ANCHORS. 2.B. 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.	Cwts.				
26569.	1st Bower ...	74	1	0	✓			56	0	0	0	73-1-0 ✓	STOCKLESS.	✓	LOW WATER, 14.1.41. A.G.	
26570	2nd „ ...	74	0	0				55	15	0	0	73-1-0 ✓	“		“ 15.1.41. A.G.	
	3rd „ ...	Omitted on a/c EMERGENCY														
	Collective weight.	148	1	0	✓							146-2-0				
54109.	Stream	23	0	21.	✓	5	2	22	22	11	1	0	22-0-0.	COMMON STOCK.	✓	GRADLAY HARB. 19.5.41. S.C.P.

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.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
116000 To	240	2 1/2	13 9/16	15 9/16	59	2	24		300	2 1/2	ordinary weight from										
116015 To									300	2 1/2	STAINLESS LINK	S. TAYLOR & SONS.	NEWCASTON 28-2-41.		130	5 1/2	77.5	130	5 1/2		
116020 To	60	2 1/2	13 9/16	15 9/16	144	0	10				TRAYCO				2	100	2 1/2	100	2 1/2		
116023	FOR OBTAIN OF CABLE PLEASE SEE BACK OF REPORT.														NEWCASTON 11-4-41. J.A.		2	100	2 1/2	100	2 1/2
		Cir.								Cir.											
Iron Stream Chain or Steel Wire	120	5			70.9				120	5	STEEL WIRE.										

Steering Gear, Type (Power or hand) *DONKIN - C.O. 70 COMBINED STEAM - HYDRAULIC* Alternative Means of Steering *BLANKS - TANKS LAY TO CAPTAIN ON POOR.*

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* Thickness of Hatches *W.T. FORG HOLD. 50" STEEL COVER*

Size of Hatchways No. 1 (Fwd.) *7'5" x 7'0"* No. 2 *7'5" x 7'0"* No. 3 *OIL TIGHT HATCHES TO CENTRE TANKS 9'0" x 3'0"* No. 4 *9'0" x 3'0"* No. 5 *4'6" x 3'0"* No. 6 *4'6" x 3'0"*

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

Builder's Signature *J. Mc Govern* FOR FURNESS SHIPBUILDING CO LTD DIRECTOR

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 *✓* 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 letters and in general conformity with the Rules and regulations for the class contemplated.

The main oil tanks, Cofferdams, Oil fuel bunkers, Double bottom tanks in engine & boiler space, forward ballast tank, Fore and 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, auxiliary steering gear, Windlass and winches have been tested under working conditions and found satisfactory.

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

The workmanship and materials are good.

The amount of Entry Fee	£ 11 : 0 : 0	Fees applied for,	(Special notations, where part of class, to be stated.)
Special Survey Fee....	£ 601 : 4 : 0	20/10/1941	
FREEBOARD	19 0 0.	Received by me,	
Travelling Expenses, if any £		19	

I am of opinion the Vessel should be Classed *100 A.1.*

CARRYING PETROLEUM IN BULK WITH NOTATION LONGITUDINAL FRAMING AT BOTTOM AND AT DECK. FITTED FOR OIL FUEL F.P. ABOVE 150°F.

State whether the Vessel has been built under Special Survey *YES.* Signature *Cyril D. Flower, F.N.S.* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *MIDDLESBROUGH.* Date of issue *19/11/41*

Committee's Minute *FRI. 31 OCT 1941*

Character assigned *+ 100 A.1*

Carrying petroleum in bulk

Lloyd's aoc. 10.4.20

Fitted for oil fuel 10.4.1. above 150°F.

note for S.R.L.

Write Afl

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

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.)

PARTICULARS OF CABLES.

SISTER VESSELS BUILT BY FURNESS S.B.C. LTD.

CERTIFICATE No.	LENGTH	6/18	3/4	1/2	WEIGHT.
116000	15	28	113	159	37-1-23.
116001	36-1-9
116002	36-3-9
116003	36-1-16
116004	36-2-23
116005	36-3-11
116006	36-2-23
116007	36-3-2
116008	36-1-16
116009	36-1-2
116010	36-3-16
116011	36-2-0
116012	37-3-11
116013	36-3-25
116014	38-2-0
116015	38-1-6
116520	36-0-9
116521	36-0-11
116522	36-0-9
116523	35-3-9
TOTAL L ^{IN} 300		TOTAL WEIGHT 735-3-6			

N ^o 325	EMPIRE GOLD.	REPORT N ^o 16969
N ^o 326	EMPIRE GRANITE	" 17010
N ^o 327	EMPIRE OIL.	" 17038
N ^o 328	EMPIRE MICA	" 17054
N ^o 329	EMPIRE SARDIEN	" 17081
N ^o 330	EMPIRE AMETHYST.	" 17097

PARTICULARS OF ELECTRIC WELDING (if employed)

RUDDER, ELECTRICALLY WELDED QUASI/ARIEL ELECTRODES.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book 100 A.I. CARRYING PETROLEUM IN BULK LONGITUDINAL FRAMING AT BOTTOM AND AT DECK. CRUISER 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	44.0.2	J.D.	N ^o 3367	30.10.40.
2nd "	44.0.0	J.D.	N ^o 3303.	9.10.40.
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. 164849. Signal Letters. Extreme Breadth over Belting (Circ. 1611). Over-all Length 479.02 (Circ. 1703).
No. and Material of Decks 1st D^{IN} (S^{IN}) 2nd D^{IN} (S^{IN}) 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, PEAK TANK, COFFERDAMS IN E.D. CEMENT IN BOTTOM, CEMENT WELDED. PUMP ROOM COATED WITH GRAMITE 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,	38.5	95	Deep tank, aft,		
Double bottom, if under Boilers only,	43.11 1/2	279	Deep tank, forward,	32.0	664
Double bottom, forward,	2.6 3/4		Other tanks, if fitted,		
Total length (if continuous) and Capacity	84.8 1/4	374	(If necessary, furnish further information by sketch.)		
	say 85.0				

Order for Special Survey No. 1529

Date. 15.1.40.

Dates of Surveys held while building

1940. Oct. 10. 22. Nov. 26. 28. 29. Dec. 3. 1941. Jan. 4. 13. 14. 23. Feb. 24. March 7. 13. 18. 27. April 4. 10. May 20. June 12. 20. 30. July 2. 4. 7. 9. 14. 15. 16. 22. 24. 25. 28. 29. 31. Aug. 1. 4. 5. 6. 7. 8. 11. 15. 26. 27. Sept. 3. 5. 8. 11. 18. 25. 30. Oct. 2. 9.

Total No. of Visits 53