

## STEEL STEAMER or MOTORSHIP.

Received at London Office 23 JUN 1949

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

Port of

No.

Survey held at

Date First Survey

Last Survey

19

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

steel single screw motor tanker "EMPIRE SALVAGE"

Machinery Aft

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

FULL SCANTLING

State Type of Erections

TONNAGE under Tonnage Deck...}

CLASS 100A1

State if with freeboard condition of Class

Built at

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

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

FEET.

L 488.0

Launched

Yard No.

Total

Breadth (greatest moulded) .....

B

73.0

Builders

Gross Tonnage

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

D

35.92

Owners

Register Tonnage

1st Longitudinal Number (L x D)..... = 17285

Managers

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

REGISTERED DIMENSIONS.  
FEET.

Length

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

Breadth

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

13.78

Depth

Do. Long Bridge to top of keel

Draught Moulded .....

Residence

Port of Registry

If surveyed while building, afloat, or in dry dock

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. mm	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b> .....	810		<b>Bracket Floors, Frame</b> .....		
" " from $\frac{3}{4}$ length amidships to Collision bulkhead.....	685		" " Reversed Frame .....		
" " in peaks.....	610		" " Vertical Struts .....		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b> .....	1275 x 14	
Frame Amidships, Angle, [ or ] .....	250 90 12	as approved	" " top Angles .....	electric welded	
" " Extends up to .....	upper deck	in longitudinal framing see separate sheet	" " bottom Angles .....	130 130 13	
<b>Reversed Frame Amidships, Angle</b> .....			<b>Side Girders, No. each side and thickness</b> .....	450 - 15	
" " Extends up to...			<b>Margin Plate depth (excl. of flange) and thickness</b> .....	Straight to ship's side 13.5	
<b>Depth of Framing Girder</b> .....	All built angle framing		" " Vertical Angle to Tank side		
<b>Frames in Uppermost Continuous Deck, Angle, [ or ]</b> .....	230 90 12		Bracket abaft $\frac{1}{4}$ len. from stem .....		
" " Second 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side		
" " Third " " " "			Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem .....	280 90 12		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
" " in Peaks, Angle or [	230 90 11		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	22 - 5 1/2 d and as approved		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....		
<b>State if Frame Joggled</b> .....	yes		<b>INNER BOTTOM PLATING.</b>		
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 ...	2670 x 13.5	
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 Hold Motor Space	30 x 13.5	
<b>SINGLE BOTTOM.</b>			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? .....		
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	1400 x 12.5		<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame .....			<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b> .....		for longitudinal beams see separate sheet
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b> .....			" " in way of Bridge, Angle, [ or ] .....		
" " " Through Plate or Intercoastal Plate... ..	1400 x 11		Spacing .....		
" " " Foundation Plate on Floors .....			<b>Second Deck, amidships, Angle, [ or ]</b> .....		
" " " Flat Plate Keel Angles .....	electric welded		Spacing.....		
<b>Side Keelsons, No. each side</b> .....			<b>Third Deck, amidships, Angle, [ or ]</b> .....		
" " thickness of Intercoastal Plate...			Spacing.....		
" " Angles .....			<b>Fourth Deck, amidships, Angle, [ or ]</b> .....		
<b>DOUBLE BOTTOM. IN MOTOR SPACE</b>			Spacing.....		
<b>Solid Floors, thickness and spacing</b> .....	13 - 750		<b>Poop Deck, Angle, [ or ]</b> .....		
" " Are Frame and Reversed Frame joggled? .....	yes		Spacing.....		
<b>Bracket Floors, breadth and thickness at middle line.....</b>			<b>Bridge Deck, Angle, [ or ]</b> .....		
" " breadth and thickness at margin plate.....			Spacing.....		
			<b>Forecastle Deck, Angle, [ or ]</b> .....		
			Spacing .....		



## PILLARS AND DECKS.

[illegible]

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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.		
	<i>inches. mm</i>	<i>inches. mm</i>	<i>inches. mm</i>	<i>inches. mm</i>		<i>inches. mm</i>	<i>inches. mm</i>		<i>inches. mm</i>	<i>inches. mm</i>			
FLAT PLATE KEEL .....	1380	26.5	20.5	20.5		double	25	100					
„ DBLG. (if any)	A 2400	18	13	14.5									
	B 2400	18	13	14									
	C 2190	18	15	14									
BOTTOM PLATING, No. of Strakes ...	D 2165	18	15	13		double	25	100					
	E 2220	18	16	16									
BILGE PLATING, No. of Strakes .....	F 2190	17.5	13.5	12		double	E 25	100	E 3	22	90	double straps	
	G 2100	17.5	13.5	14			F 22	80	F 4	22	90	lapped	
SIDE PLATING, No. of Strakes .....	H 2100	17.5	13.5	12		double	G & H 22	80					
	J 2065	17.5	13.5	12			J 25	100		4	22	90	lapped
UPPER DECK, Sheer-strake in Wells .....	L 2000	24	12	12						3	25	100	double straps
UPPER DECK, Sheer-strake in Bridge ...						upper seams of F, G & H strakes							
STRAKE BELOW Sheer-strake in Wells .....						triple	22	90					
STRAKE BELOW Sheer-strake in Bridge ...						between ends of oil compartments and peak bulkheads forward & aft.							
POOP SIDE PLATING .....				10.5		-	-	-		2	19	65	lapped
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING				11.5		single	19	75		1	19	65	lapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	13	/
Extending to Upper Deck (Sec. 3 c)	12	/
„ Deck next below	1	/
As per Rule		

## FORGINGS and CASTINGS.

	Cast or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....		Flat plate keel		
<b>STEM</b> .....		Plate stem 22 x 15 $\frac{1}{2}$ "		
<b>STERN FRAME</b> {				
Propeller Post .....				
Rudder ..		Casting as per approved plan		
<b>Speed of Vessel</b> .....		12.5 knots		
<b>RUDDER—Type</b> .....		Single plate rudder		
„ 100x A x D .....		17/15		
„ Diam. of head .....		steel tube 570 x 40		
„ Mainpiece at top pintle .....				
„ „ heel ...				
„ how constructed .....		single plate as approved		
„ double or single plate .....		16mm welded to steel tube		
„ coupling, vertical or .....		reinforced by ribs and sheathed with wood as per plan		
„ horizontal .....				

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

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Cameron Martin process

STEEL.

Has the Steel been tested as required by the Rules? *Yes*



Rpt. 1\*.

## 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.	Rivets in Brackets to Bulkheads.
		mm			mm				mm		mm	
Framing of $\Delta$ L or $\Delta$ .....		Steel			Single			Screw Motor Tanker				
Frames in Bridge 'tween Decks ...												
Frames from Uppermost Continuous Deck No. 1					" EMPIRE SALVAGE							
" 2												
" 3												
" 4					Upper Stringer in Wing Tanks							
" 5		6" shell			7/50 x 10.5			6" longl. bulkheads	7/50 x 10			
" 6		face bar			90 x 90 x 11			face bar	90 x 90 x 11			
" 7												
" 8					Secured Stringer in Wing Tanks							
" 9		6" shell			7/50 x 11			6" longl. bulkheads	7/50 x 10.5			
" 10		face bar			90 x 90 x 11			face bar	90 x 90 x 11			
" 11												
" 12												
" 13		280	90	13.5	Transverse				22	132	7/16" for ten rivets each side of bulkheads and	
" 14		300	90	14	framing				"	"	7/16" transverses	
" 15		300	90	16	"				"	"	"	
" 16		340	100	15	"				25	150	90" for nine rivets each side of bulkheads and transverses	
Below second stringer												
Spacing of Longitudinal Frames		Amidships ..... 815										
		At Ends ..... For ordinary side framing see F.E. Rpt.										
Double Bottoms												
Tank Top Longitudinals												
Bottom		431.8	101.6	15.3 / 17.24	Transverse				25	150	90" for nine rivets each side of bulkheads and transverses	
Spacing of Longitudinals		Amidships 815			framing							
		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 BA...										
		Lugs to Shell* .....										
		" " Back Bars ...										
		Brackets .....										
Spacing of Transverse Frames		3240			3240							
		State if joggled or liners.										
Longitudinal Beams of $\Delta$ , L or E												
Bridge Deck ...												
Upper POOP		230	90	11	150	75	8	815	7/60 x 10.5	150 x 75 x 12.5		
Second FORECASTLE					150	75	8	815	150 x 11.5	150 x 75 x 12.5		
Third					150	75	8	815	250 x 9.5	150 x 75 x 10		
									90 x 90 x 11-10			
									250 x 9.5	150 x 90 x 13.5-10		

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.

0224 2/3







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.)

*Hydruell*

PARTICULARS OF ELECTRIC WELDING (if employed)

*Bulbs of keel and bottom plating  
Stiffeners on transverse. Motor seating in double bottom  
Frame brackets to double bottom tank top in motor space*

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

*"Carrying Petroleum in Bulk"  
"Longitudinal framing at bottom, bulge and deck"  
"Bulbs of bottom plating electrically welded"*

*Lloyd's A = CP ?*

*Swiss Stern*

*E. S. D ?*

*Mchy Aft*

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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *76* ft., R.Q.D. \_\_\_\_\_ ft., Bridge \_\_\_\_\_ ft., Forecastle *87* ft.

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

Official No.

Signal Letters *7*

Extreme Breadth over Belting  
(Circ. 1611)

Over-all Length  
(Circ. 1703)

*514.3*

No. and Material of Decks

*1 Dk*

Parts of Bottom of Vessel coated with cement or approved composition

*cofferdams cemented*

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>31.0</i>	<i>241</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>20.0</i>	<i>40</i>
Double bottom, if under Engines only,	<i>66.5</i>	<i>132.5</i>	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<i>24.7</i>	<i>300</i>
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	<i>66.5</i>	<i>132.5</i>	(If necessary, furnish further information by sketch.)		

*to be  
verified  
by  
Survey*

Order for Special Survey No. \_\_\_\_\_

Date \_\_\_\_\_

Dates of Surveys  
held while building



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Lloyd's Register  
Foundation

Total No. of Visits