

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

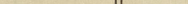
State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* *Full Scantling* State Type of Erections *Poop & Cb*

Total ✓ Depth, at middle of length from top of keel to top] 36 1/2"

gister Tonnage 2002.49      st Longitudinal Number (L x D).....= 8700      Managers Bulk Oil Steamship Co. Ltd.

FEET      **Proportions—Depth to Length—Innermost con-**      10 52      Part of Perimeter      5 1/2

Length 343.5 {  
continuous deck to top of keel ..... } 12.52  
Port of Registry Switzerland

Depth 48.5 Do. Long Bridge to }  If surveyed while building, afloat, or ~~in dry dock~~

26.5 Draught Moulded 21'-9 1/4" 4

## 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.
<b>FRAMES, Spacing amidships</b> .....	✓		<b>Bracket Floors, Frame</b> .....	✓	
"    "    from $\frac{3}{8}$ length amidships to Collision bulkhead.....	✓		"    "    Reversed Frame.....	✓	
"    "    in peaks .....	24 ✓		"    "    Vertical Struts .....	✓	
<b>SIDE FRAMING. Longitudinal.</b> ✓			<b>Centre Girder, depth and thickness</b> <del>amidships</del> 52x39x.47 ✓		
<b>Frame Amidships, Angle, [ or [</b> .....	✓		"    "    top Angles .....	$3\frac{1}{2} \times 3\frac{1}{2} \times 7/16$ ✓	app'd 3x3 ✓
"    "    Extends up to.....	✓		"    "    bottom Angles.....	$3\frac{1}{2} \times 3\frac{1}{2} \times 7/16$ ✓	
<b>Reversed Frame Amidships, Angle</b> .....	✓		<b>Side Girders, No. each side and thickness</b> .....	20x50x.60 ✓	
"    "    Extends up to .....	✓		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	✓	
<b>Depth of Framing Girder</b> .....	✓		"    "    Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	✓	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or [</b> .....	✓		"    "    Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area .....	✓	
"    " <b>Second 'tween Decks, Angle, [ or [</b> .....	✓		"    "    Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	✓	
"    " <b>Third</b> .....	✓		"    "    Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area .....	✓	
"    "    from $\frac{1}{2}$ len. for'd. to 15% len. from Stem .....	AP 7x3 $\frac{1}{2}$ x.33 ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....	✓	
"    "    in Peaks, Angle or [ .....	FR 7x3x.33 ✓		<b>INNER BOTTOM PLATING. Aft.</b> ✓		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	✓		<del>Breadth and thickness of Middle Line Strake</del> .....	42x.47 ✓	
<b>State if Frame Joggled</b> .....	✓		Thickness of remainder in Holds .....	42x.47 ✓	
Are the scantlings and arrangements in the <b>Panting Area</b> in accordance with the Rules and/or as approved ? .....	YES ✓		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 ?.....	✓	
Are the scantlings and arrangements in way of the <b>Bottom Forward</b> in accordance with the Rules and/or as approved ?.....	YES ✓		<b>BEAMS. Longitudinal.</b> ✓		
<b>SINGLE BOTTOM. in Centre Tanks</b> ✓			<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or [</b> .....	✓	
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	✓		"    "    in way of Bridge, Angle, [ or [ .....	✓	
Height of Brackets at side above base line at toe of frame.....	✓		Spacing .....	✓	
<b>Middle Line Keelson, on Floors, Angles, [ or [</b> .....	$3\frac{1}{2} \times 3\frac{1}{2} \times 3/8$ ✓		<b>Second Deck, amidships, Angle, [ or [</b> .....	✓	
"    "    Through Plate or Inter-costal Plate .....	.38 ✓		Spacing .....	✓	
"    "    Foundation Plate on Floors .....	✓		<b>Third Deck, amidships, Angle, [ or [</b> .....	✓	
"    "    Flat Plate Keel Angle ✓	$6 \times 6 \times \frac{1}{2}$ ✓		Spacing .....	✓	
<b>Side Keelsons, No. each side</b> .....	✓		<b>Fourth Deck, amidships, Angle, [ or [</b> .....	✓	
"    "    thickness of Intercoastal Plate...	✓		Spacing .....	✓	
"    "    Angles .....	✓		<b>Poop Deck, Angle, [ or [</b> .....	$5 \times 3 \times \frac{1}{4}$ ✓	
<b>DOUBLE BOTTOM. Aft.</b>			Spacing .....	30 ✓	
<b>Solid Floors, thickness and spacing</b> .....	36 every ✓		<b>Bridge Deck, Angle, [ or [</b> .....	✓	
"    "    Are Frame and Reversed Frame joggled ? .....	YES ✓		Spacing .....	✓	
<b>Bracket Floors, breadth and thickness at middle line</b> .....	✓		<b>Forecastle Deck, Angle, [ or [</b> .....	$6 \times 3\frac{1}{2} \times 5/16$ ✓	
"    "    breadth and thickness at margin plate.....	✓		Spacing .....	every ✓	



## 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 .....		✓		Stringer Plate, breadth and thickness in way of Bridge .....		✓	
" in 'tween Decks, Size and Spacing .....		✓		Thickness of Plating abreast Deck openings in way of Wells .....		✓	
" " " " " " .....		✓		Thickness of Plating abreast Deck openings in way of Bridge .....		✓	
" in Holds " " " " .....		✓		Thickness of Plating within line of openings...		✓	
2 Long ✓ Centre Line Bulkheads ✓		✓		If Sheathed, material and thickness.....		✓	
Stiffeners and Spacing		10" x 3 1/2" x 7/16" to 7" x 3" x 3/8"	✓	Third Deck.			
Plating, thickness of .....		46 & 38	✓	Stringer Plate, breadth and thickness.....		✓	
STRINGERS AND DECKS.				If Plated, state thickness .....		✓	
Uppermost Continuous Deck.				Fourth Deck.			
Stringer Plate, breadth and thickness in Wells		85 1/2" x 52"	app'd - 48 ✓	Stringer Plate, breadth and thickness.....		✓	
" " " " in way of Bridge		✓		If Plated, state thickness.....		✓	
" Angle in Wells .....		stringer plate welded to shell	✓	Poop Deck.			
Thickness of Plating <del>abreast Deck openings</del> in way of Wells .....		38	✓	Stringer Plate, breadth and thickness.....		32 ✓	
Thickness of Plating abreast Deck openings in way of Bridge.....		✓		Plating, Sheathing, material and thickness ...		26 & 30 ✓	
Thickness of Plating within line of openings...		✓		Bridge Deck.			
If Sheathed, material and thickness.....		✓		Stringer Plate, breadth and thickness.....		✓	
Second Deck.				Plating, Sheathing, material and thickness ...		✓	
Stringer Plate, breadth and thickness in Wells		✓		Forecastle Deck.			
				Stringer Plate, breadth and thickness.....		32 ✓	welded to shell.
				Plating, Sheathing, material and thickness...		32 ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	.66	.78	.64	.65		D	1	4	4	1	4	L	
„ Dblg. (if any)													
Bottom Plating, No. of Strakes ..... A.B.		.59	.65	.43		D	7/8	3 1/2	4	7/8	3 1/2	L	
Bilge Plating, No. of Strakes ..... D		.59	.49	.		D	7/8	3 1/2	4	7/8	3 1/2	L	
Side Plating, No. of Strakes ..... E		.57	.43	.		D	7/8	3 1/2	3	7/8	3 1/8	L	
Upper Deck, Sheer- strake in Wells.....	87	.66	.42	.42		D	7/8	3 1/2	4	7/8	3 1/2	L	
Upper Deck, Sheer- strake in Bridge ...													
Strake below Sheer- strake in Wells.....	87	.54	.42	.42		D	7/8	3 1/2	3	7/8	3 1/8	L	
Strake below Sheer- strake in Bridge ...													
Poop Side Plating.....		.	.42	.38		S	3/4	2 5/8	WELDED				
Bridge Side Plating.....		.	.	.					3" Rule				
Forecastle Side Plating		.	.38	.		S	3/4	2 5/8	WELDED.				

Butts of side shell plating at end  
 after ends welded.

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c)	11	12	See letter 20.10.44
„ Deck next below	1		
As per Rule	5		

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar .....				
STEM .....				
STERN FRAME {	Propeller Post .....	Cast. 12x12	Woolingham	
	Rudder .....			
Speed of Vessel .....		12 1/4 knots.	✓	
RUDDER—Type .....				
" A x D .....		164	✓	
" Diam. of head .....		7	✓	
" Mainpiece at top pintle .....		11 1/2	✓	
" " heel .....		8	✓	
✓ " how constructed .....		Fabricated as per plan		✓
" double or single plate coupling, vertical or horizontal .....		50	✓	
"		Horizontal	✓	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D,	CENTRE TANKS <u>Upper</u> 'tween decks	✓ 48L HO 12 × 3½ × 45 L ✓	✓ 36 ✓	✓ 1 GIRDER ✓ HO × 42 fl. 8"	
"	"	<u>Second</u> " "	✓ 7 × 3 × 33 L ✓	✓ 36 ✓	✓ 2 33 × 40 fl. 6"	
"	"	Third " "	✓	✓		
"	"	Holds .....	✓	✓		
COLLISION	"	(in Hold) N° 65	✓ 46 - 30 7 × 3 × 33 L ✓	✓ 27 ✓	✓ FLAT & 2 GIRDERS ✓ 18" × 34	
AFTER PEAK	"	N° 8/9	✓ 40 - 30 8" L hc. ✓	✓ 36 ✓	✓ FLAT 1 fs. ✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Coke. Hearth.*  
*Consett, Dorman Long, Appleby, Threlkham, South Durham, Cargo Fleet, Shinningrove*

Has the Steel been tested as required by the Rules? *YES.* ✓



## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			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.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.		Number.	Diameter.	
Framing of <b>K, X or C</b> .....			✓																
Frames in Bridge 'tween Decks ...			✓																
Frames from Uppermost Continuous Deck No. 1		8	3 1/2	35	✓										7/8	5 1/4	throughout		
" 2		do.	✓												7/8	5 1/4	do.		
" 3		8	3 1/2	7 1/6	✓										7/8	5 1/4	do.		
" 4		9	3 1/2	3/8	✓										7/8	5 1/4	do.		
" 5		do.	✓												7/8	5 1/4	do.		
" 6		9	3 1/2	7 1/6	✓										7/8	5 1/4	10 Rivs. @ 4"		
" 7		do.	✓												7/8	5 1/4	do.		
" 8		10	3 1/2	7 1/6	✓										7/8	5 1/4	do.		
" 9		12	3 1/2	3 1/2	3/50	cl.	✓								7/8	4 7/8	10 Rivs. @ 3 1/8		1 in N <sup>o</sup> 1 Tank Rivs 3 1/8"
" 10		✓																	
" 11		✓																	
" 12		✓																	
" 13		✓																	
" 14		✓																	
" 15		✓																	
" 16		✓																	
Spacing of Longitudinal Frames		Amidships		30 + 34 1/2	✓														
		At Ends		✓															
Double Bottoms <b>K, X or C</b>		Tank Top Longitudinals		✓															
		Bottom		15	4	4	43/62	✓							7/8	4 7/8	10 Rivs @ 3 1/8		
Spacing of Longitudinals		Amidships		36	✓														
		At Ends		✓															
Bottom Transverses.														Rivets in Lugs to Shell					
Centre In Bridge Tanks 'tween Decks		Depth and Thickness		39	4	2	✓												
		Face Angles		6	3 1/2	3/8	OA @ 9 1/2"	✓											
		Lugs to Shell*		WELDED	✓														
Wing Tanks in Upper 'tween Decks.		Depth and Thickness		33	4	0	✓												
		Face Angles		6	3 1/2	3/8	OA	✓											
		Lugs to Shell*		6	6	3/8	INTER	✓											
Side Transverses In Hold.		Depth and Thickness		30	4	0	✓												
		Face Angles		✓															
		Lugs to Shell*		6	6	3/8	INTER	✓											
		Back Bars		✓															
		Brackets flanged		36	4	0	✓												
Spacing of Transverse Frames		State if jogged or liners.		9 1/2" & 10-0"	span dimension														
Longitudinal Beams of <b>K, L or X</b>		Bridge Deck		✓															
		Upper		8	3 1/2	7 1/6	✓								36"				
		Second		✓															
		Third		✓															
Transverse Beams.		In Ships.		Plate.		Angles.		As approved.		Plate.		Angles.							
				26		36		4 1/2		6"		centre tanks							
				24		36		4 1/2		3 1/2"		wing tanks							

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.



EQUIPMENT No. 26440 ✓												LETTER ✓		ANCHORS.			
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.						
44907	1st Bower	49	1	0	✓			41	18	0	14	✓	48 3/4 ✓	Stockless ✓	✓	LPHS. 18.12.43 R.J.V.	
45208	2nd "	48	2	0	✓			41	8	3	0	✓	48 3/4 ✓	do. ✓	✓	LPHS. 9.2.44 R.J.V.	
	3rd "												41 1/2				
	Collective weight												139 ✓				
2495	Stream	13	0	14	✓	3	2	0	14	17	0	21	✓	13 ✓	Iron Stock ✓	Hingley & Sons Ltd LPHN.	21.3.44 JAR.

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.	Tons.	Pounds.	Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
4087	120 1/2	2	72	100 3/4	239	3	0	538	3/4	Stud Link	Hingley & Sons Ltd LPHN	27.3.44 JAR	TOWLINE	120	4	33.2	120	4	
4099	105 3/4	2	72	100 3/4	211	2	10			do.	do.	do.	HAWSERS & WARPS	1890	2 1/2	13.2	1890	2 1/2	
	265				451	1	10												
	90	4 1/2						90	4 1/2										

Steering Gear, Type (Power or hand) John Hastee & Co. Ltd Steam Alternative Means of Steering Auxiliary Block & Tackle

Steering Chains (Size and Test) Telemeter Control Windlass Emerson Walker Boats 2-2 1/2" steel lifeboats

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

Cargo Hatchways. (Upper Deck) 10" x 3/4" welded steel coaming Thickness of Hatches 40 O.T. covers

Size of Hatchways No. 1 (Fwd.) throughout No. 2 48" dia. No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature SIR JAMES LAING & SONS LTD Managing 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 Motorship

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo 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 ship has been built in conformity with the Society's Rules & Regulations, and the Secretary's letter

The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans. The materials and workmanship are good. The freeboard marks have been verified and cut in on the vessel's sides. The double bottom, fore & after peak, cargo oil, F.W., tanks, O.F. bunker, cofferdams, deep tank, have been tested in accordance with the Rules.

The steering gear, emergency steering gear, windlass, have been satisfactorily tested.

The equipment of anchor & cables has been reduced as per Secretary's letter of 22.2.40 & 21.9.40.

Fuel oil (F.P. above 150°F) carried in fore & after Cross Bunkers.

The following reports are enclosed: - Stem Frame, Rudder Head & Frame, Rudder Post, Tiller.

The amount of Entry Fee..... £ 7 : : : Fees applied for, 20.11.1944

Special Survey Fee..... £ 392 16 : : Received by me, 19

Specification 98 : :  
Travelling Expenses, if any ..... £ 14 : :  
State whether the Vessel has been built under Special Survey YES.

I am of opinion the Vessel should be Classed +100A.1.  
Carrying Petroleum in Bulk  
Signature M. B. Huller  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND. Date of issue 20/10/44

Committee's Minute TUES. 17 OCT 1944

Character assigned +100A.1  
Carry? Pet in Bulk  
Lloyd's A & C.P. + LMC 9.44 no sig.  
DB 150lb 2022

write to M.B.

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.)

Sister Vessel Mr. Empire Russell etc. Sld. Rpt. No. 33887.

DAMAGE stated to have been sustained by the outbreak of fire on Sept. 16<sup>th</sup> 1944, whilst lying afloat at Scotia Quay, Sunderland.

FOUND Flat above tunnel well distorted in several places, between longitudinal, 2 transverse in way of flat, buckled, 1 shell longitudinal bracket to peak bulkhead distorted.

NOW DONE. 2 transverse bars, 1 longitudinal bracket, removed, annealed, & replaced. Plating of flat forced by fitting bulk angles intermediately, between longitudinal, & adding plating to these bulk angles.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of fore & after end shell welded, longitudinal bulkheads and transverse bulkheads in centre tanks welded to shell & to deck, upper deck stringer plating welded to shell, butts of upper deck centre strake welded, bottom transverse in centre tanks welded to shell, horizontal girders in centre & wing tanks welded to bulkheads, 1<sup>st</sup> deck plating all welded, poop & 1<sup>st</sup> fore & aft, midship deckhouse welded to deck, flats & stringers at ends tank top aft, welded to shell, hatch coaming welded to deck.

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

D.F. & E.S.D.

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

Including pins  
1st Bower  
2nd  
3rd

31 3 14

J.H.J.

5916

29.9.43

31 2 0

J.H.J.

6030

24.12.43

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop

87.29

ft., R.Q.D.

ft., Bridge

ft., Forecastle

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

Official No. 180143

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703)

357.7

No. and Material of Decks one steel deck

Parts of Bottom of Vessel coated with cement or approved composition

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,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,	<u>62.5</u>	<u>43</u>	Deep tank, aft,	<u>18.5</u>	<u>99</u>
Double bottom, if under Boilers only,			Deep tank, forward,	<u>13.5</u>	<u>27.5</u>
Double bottom, forward,			Other tanks, if fitted,	<u>3.0</u>	<u>99</u>
Total length (if continuous) and Capacity	<u>62.5</u>	<u>43</u>	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6113

Date 17.9.43

Dates of Surveys held while building

1943. Nov. 9, 21, 22, 24, Dec. 3, 13, 22. 1944. Jan. 12, 22, 27, 31. Feb. 11, 17, 24, 27, 31. Mar. 7, 9, 12, 20. Apr. 3, 6, 27. May, 1, 5, 8, 9, 12, 11, 15, 17, 22, 23, 30. June 1, 2, 5, 6, 7, 12, 13, 14, 15, 16, 19, 20, 21, 22, 23, 26, 28, 29, 31. Aug. 2, 4, 26, 30. Sep. 6, 7, 14, 16, 18, 19, 26, 29

Total No. of Visits 66