

RECEIVED

STEEL STEAMER OR MOTORSHIP.

Received at London Office

18 AUG 1950

State if Report has been sent on the Freeboard of the Vessel ☒ YESState if Report is sent on the Machinery of the Vessel ☒ YES

Date of completion of report

15. 8. 50

Port of MIDDLESBROUGH

No. 19140

Survey held at SOUTH BANK-ON-TEES

Date First Survey

23rd June 1949

Last Survey

26th July

1950

On the

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

SS.M.V. "LUMEN"

machinery fitted 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 ...

8811.78

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

Total

Gross Tonnage 10146.25

Register Tonnage 5864.66

REGISTERED DIMENSIONS.

FEET

Length 488.50

Breadth 67.35

Depth 36.25

CLASS + 100A1.

(CARRYING PETROLEUM IN BULK)

State if with freeboard as condition of Class

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

L 480'-11"

Breadth (greatest moulded)

B 64'-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 36'-25"

1st Longitudinal Number (L x D)

17117

2nd Numeral L x (B + D)

49277

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

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

13'-24"

Do. Long Bridge to top of keel

Draught Moulded

Built at SMITH'S DOCK CO. LTD, SOUTH BANK-ON-TEES.

Launched APRIL 4, 1950 Yard No. 1197

Builders SMITH'S DOCK CO. LTD.

Owners THE LUSTROUS STEAMSHIP CO. LTD.

Managers H. E. HOOD

(Where necessary to be entered in Reg. Book)

Residence 26, CHAPEL STREET LIVERPOOL 3

Port of Registry LIVERPOOL

If surveyed while building, afloat, or in dry dock

WHILE BUILDING, AFLOAT & IN DRY DOCK.

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	33		Bracket Floors, Frame	—	
" " from 1/2 length amidships to Collision bulkhead	33 27		" " Reversed Frame	—	
" " in peaks	24		" " Vertical Struts	—	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	60 5/8	
Frame Amidships, Angle	10 3/2 48		" " top Angles	Welded to TANK TOP	
" " Extends up to	Upper Deck		" " bottom Angles	Welded to shell	
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	2 60 7/8	
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	Tank top plating	
Depth of Framing Girder	10		" " Vertical Angle to Tank side	carried straight out to shell	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	—		" " Bracket abaft 1/2 len. from stem	—	
" " Second 'tween Decks, Angle, [or]	—		" " Vertical Angle to Tank side	Bracket from forward 1/2 len. from stem to Panting Area	
" " Third	—		" " Gussets, spacing and scantling abaft 1/2 len. from stem	—	
" " from 1/2 len. for'd. to 15% len. from Stem	12 3/2 45 3/8		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	—	
" " in Peaks, Angle	9 3/2 41		Tank Side Brackets, height above base line at toe of Frame and thickness	—	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5/2		INNER BOTTOM PLATING. (MACHINERY SPACE)		
State if Frame Joggled	YES		Breadth and thickness of Middle Line Strake	48 5/8	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES		Thickness of remainder in Holds	Plating 5/8	
Are the scantlings and arrangements in way of the Bottom Forward 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?	As approved	
SINGLE BOTTOM. IN. FOR DEEP TANK.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	47 44		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	Longitudinal framing see separate sheet	
Height of Brackets at side above base line at toe of frame	No Brackets		" " in way of Bridge, Angle, [or]	—	
Middle Line Keelson, on Floors, Angles, [or]	—		Spacing	—	
" " Through Plate or Inter-costal Plate	—		Second Deck, amidships, Angle, [or]	—	
" " Foundation Plate on Floors	—		Spacing	—	
" " Flat Plate Keel Angles	—		Third Deck, amidships, Angle, [or]	—	
Side Keelsons, No. each side	ONE		Spacing	—	
" " thickness of Inter-costal Plate	40		Fourth Deck, amidships, Angle, [or]	—	
" " Angles	6 3 40		Spacing	—	
DOUBLE BOTTOM. (IN MACHINERY SPACE)			Poop Deck, Angle, [or]	9 3/2 38	
Solid Floors, thickness and spacing	44		Spacing	Every frame	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or]	9 3/2 38	
Bracket Floors, breadth and thickness at middle line	—		Spacing	33	
" " breadth and thickness at margin plate	—		Forecastle Deck, Angle, [or]	9 3/2 38	
			Spacing	Every frame	

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					
" " " "				Thickness of Plating within line of openings					
" " " "				If Sheathed, material and thickness					
Centre Line Bulkhead. Stiffeners and Spacing				Third Deck. Stringer Plate, breadth and thickness					
Plating, thickness of				If Plated, state thickness					
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells				Fourth Deck. Stringer Plate, breadth and thickness					
" " " " in way of Bridge				If Plated, state thickness					
" Angle in Wells				Poop Deck. Stringer Plate, breadth and thickness					
Thickness of Plating abreast Deck openings in way of Wells				Plating, Sheathing, material and thickness					
Thickness of Plating abreast Deck openings in way of Bridge				Bridge Deck. Stringer Plate, breadth and thickness					
Thickness of Plating within line of openings				Plating, Sheathing, material and thickness					
If Sheathed, material and thickness				Forecastle Deck. Stringer Plate, breadth and thickness					
Second Deck. Stringer Plate, breadth and thickness in Wells				Plating, Sheathing, material and thickness					

SHELL PLATING.										
SCANTLINGS.					RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		STRAPPED OR LAPPED.
	AMIDSHIPS.	FORWARD.	AFT.			Single or Double.	Rivets.	No. of Rows of Rivets.	Rivets.	
	Breadth.	Thickness.	Thickness.	Thickness.		Diam.	Spacing.	Diam.	Spacing.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	
Flat Plate Keel	56	1.03	82	82		Double	1	4		
" Dblg. (if any)										
Bottom Plating, No. of Strakes	10 1/4	72	49	58	2 1/2 x 54	Double	7/8	3 1/2		
Bilge Plating, No. of Strakes	91	72	54	58	"	Double	7/8	3 1/2	End laps welded	
Side Plating, No. of Strakes	96	70	52	52	"	Double	7/8	3 1/2	throughout	
Upper Deck, Sheer-strake in Wells	84	70	52	52	"	Double	7/8	3 1/2	End laps single	
Upper Deck, Sheer-strake in Bridge	84	94	52	52	"	Double	7/8	3 1/2	"	
Strake below Sheer-strake in Wells	84	88	52	52	"	Double	7/8	3 1/2	"	
Strake below Sheer-strake in Bridge	84	86	52	52	"	Double	7/8	3 1/2	"	
Poop Side Plating	84	84	52	52	"	Double	7/8	3 1/2	"	
Bridge Side Plating	84	84	52	52	"	Double	7/8	3 1/2	"	
Forecastle Side Plating	84	84	52	52	"	Double	7/8	3 1/2	"	

WATERTIGHT BULKHEADS.									
FORGINGS AND CASTINGS.									
Total No. of W.T. BULKHEADS in Vessel—					Casting or Forging.				
Extending to Upper Deck (Sec. 3 c)					Scantlings.				
Deck next below					Maker's Name.				
As per Rule					Any Departure from Approved Plans to be Noted.				
STIFFENERS. <td colspan="5">RUDDER—Type</td>					RUDDER—Type				
VERTICAL.					A x D.				
SCANTLINGS.					Diam. of head				
SPACING.					Mainpiece at top pintle				
MIDSHIP BULKHEAD, Upper 'tween decks					heel				
" Second					how constructed				
" Third					double or single plate coupling, vertical or horizontal				
" Holds									
COLLISION (in Hold)									
AFTER PEAK									

EQUIPMENT No. 51,496										LETTER et.										ANCHORS. 33									
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.													
4694	1st Bower	86	3 1/4	—	—	—	—	61	17	20	85 1/2	Byers type stockless	Samuel Taylor	Heaton	3-10-49														
4693	2nd "	86	0 0	—	—	—	—	61	10	0	85 1/2	Byers type stockless	Samuel Taylor	Heaton	3-10-49														
4695	3rd "	46	0 4	—	—	—	—	54	0	0	75 1/2	Byers type stockless	Samuel Taylor	Heaton	3-10-49														

Rep 1*.

SMITHS DOCK CO. LTD. No 1197. M.V. "LUMEN"

PARTICULARS OF LONGITUDINAL FRAMING. 11th Rpt. 19140

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
ing of 11 or C	CHANNEL														
es in Bridge 'tween Decks ...															
es from Uppermost Continuous Deck															
" 2															
" 3															
" 4															
" 5															
" 6															
" 7															
" 8															
" 9	14 x 4 x 4			14 x 4 x 4											
" 10	" "			" "											
" 11	" "			" "											
" 12	" "			" "											
" 13	" "			" "											
" 14	" "			" "											
" 15	" "			" "											
" 16	" "			" "											
ing of Amidships	32														
ing of At Ends															
le Tank Top Longitudinals															
ms Bottom															
or C															
g of Longitudinals															
Transverses.															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
Depth and Thickness															
Face Angles															
Lugs to Shell*															
" " Back Bars															
Brackets															
g of Transverse Frames															
* State if jogged or liners.															
ndinal Bridge Deck	Transverse														
is of Upper	9			3 1/2 x 42 B.P.											
Second															
Third															

The particulars of framing in peaks (if ordinary), Floors, Centre Girders, 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.

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HAWSERS AND WARPS

D.O. will see to this

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.)

Vessel undocked + 14-4-50.

PARTICULARS OF ELECTRIC WELDING (if employed) Shell - Butts, seams in way of bossing, and fore end in way of peak. Decks - Seams & butts - upper deck, roof bridge & forecastle decks. Bulkheads - Seams, butts & stiffeners, girders to bulkheads, connection to deck, shell side & bottom, stringer plates to shell, face bars to stringers, inner bottom plating - seams & butts & connection to shell, floors to tank top and shell. Transverses - Connection to shell & deck, face bars & stiffeners. Centre girder to shell & mountings. Rudder - Side plates to arms & frames. Stem fashion plate. All electrodes used are of approved types. FUSE ARC WELDING ON PART BULKHEAD DECK.

SPECIAL NOTATIONS: Either as part of the vessel's class or for record in the Register Book. Cruiser stern, part electric welded, echo sounding, direction finder, gyro compass.

RADAR Equipment (State if fitted) YES. State Type or Pattern No. RADAR LOCATOR III. State Maker MARCONI. Name and/or of Supplier.

Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test. 1st Bower 46-0-8 A.E.G. 702 23-11-48. 2nd 46-2-10 A.E.G. 858 11-3-49. 3rd 42-0-4 R.L. 3811 15-11-48.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 20.62 ft., R.Q.D. ft., Bridge 52 ft., Forecastle 55.3 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 183763. Signal Letters M.G.L.C. Extreme Breadth over Belting 64'-4" (Circ. 1611). Over-all Length 506'-0" (Circ. 1703).

No. and Material of Decks ONE STEEL. Parts of Bottom of Vessel coated with cement or approved composition Bottom of fore & after peaks cemented upper portions cement washed. Bottom of C.R. well cemented. S.W. Tanks & cofferdams cement washed.

Particulars of composition (if fitted) and of approval "Arambee" (Bourne's) composition fitted in way of accommodation waterways, located in accommodation.

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,	26-0 1/2	161.28
Double bottom, under Engines and Boilers,			After peak tank,	22-0	145
Double bottom, if under Engines only,	87.1	286.6	Deep tank, aft,		
Double bottom, if under Boilers only,	Sum of 6-9.50		Deep tank, forward,	(163-145)	27.0
Double bottom, forward,			Other tanks, if fitted, For COFFERDAM (WINGS) (161-165)	3-0	56.56
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 1596

Date 9:12:47

Dates of Surveys held while building

1949 June: 23.30 July: 5.27 Aug: 2.10.11.19.22.25.31 Sep: 1.2.7.9.16.21.22.23.26.29 Oct: 4.5.6.10.16.17.24.26.27.31 Nov: 2.4.7.8.10.14.16.22.24.28.30 Dec: 2.5.6.8.9.12.13.14.20.23.29.30 (1950) Jan: 6.11.12.14.18.19.23.24.25.26.30 Feb: 1.3.6.7.8.10.13.14.16.21.27.28 Mar: 2.3.6.8.10.14.15.16.17.20.22.23.25.26.27.28.29.30.31 Apr: 1.2.3.4.6.12.14.19.20.21.25.27 May: 2.4.5.9.18.22.24.25.31 June: 1.2.4.9.12.13.14.15.16.18.19.20.22.23.26.27.28.29.30 July: 3.4.5.6.7.10.11.12.13.14.17.20 Total No. of Visits 156 July 24.25.26

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