

STEEL STEAMER OR MOTORSHIP.

Received at London Office

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State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 13th March, 1948. Port of HELSINGBORG No. 1868Survey held at Helsingborg Date First Survey 6th November, 1947 Last Survey 11th March, 1948On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Motorvessel "SOMMEN" (Mchy. Aft)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) C1-M-AVI. Full Scantling. State Type of Erections F'cle and Poop.TONNAGE under } 3303.10
Tonnage Deck ... }Do. of space or spaces }
between Tonnage Dk. }
and Upper Dk. }

Total Eng. 3926.70

Gross Tonnage SW. 3926.07

Register Tonnage Eng. 2607.76

Register Tonnage SW. 2938.70

CLASS 100 A 1

State if with freeboard } No

as condition of Class }

Length from fore part of stem to after part of stern } L 321.25
post on summer L.W.L. See Sec. 3 (1a) }

Breadth (greatest moulded) B 50

Depth, at middle of length from top of keel to top } D 29
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) }

1st Longitudinal Number (L x D) = 9316

2nd Numeral L x (B + D) = 25378.7

Framing Depth "d," at middle of length. See }
Sec. 3 (1d) }Proportions—Depth to Length—Uppermost con- } 11.1
tinuous deck to top of keel }Do. Long Bridge to }
top of keel }

Draught Moulded 24.49

Built at Richmond Yard No.4.Delivered Lawback 1945 4mo Yard No. 68Builders Kaiser Cargo Inc.Owners Rederi A/B SigynManagers Hans Lundgren
(Where necessary to be entered in Reg. Book)Residence HelsingborgPort of Registry Helsingborg

If surveyed while building, afloat, or in dry dock

Afloat and 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.....	27	✓		Bracket Floors, Frame	-		
" " from $\frac{1}{2}$ length amidships to Collision bulkhead.....	27	✓		" " Reversed Frame.....	-		
" " in peaks	24	✓		" " Vertical Struts	-		
SIDE FRAMING. ✓				Centre Girder, depth and thickness amidships	37 $\frac{1}{2}$; 7/16	✓	
Frame Amidships, Angle, <u>T 80°</u>	8	4	$\frac{1}{2}$ ✓	" " top Angles	EW	✓	
" " Extends up to.....	2nd deck	✓		" " bottom Angles.....	EW	✓	
Reversed Frame Amidships, Angle	-			Side Girders, No. each side and thickness.....	One 3/8	✓	
" " Extends up to	-			Margin Plate depth (excl. of flange) and thickness	In level w tanktop. ✓		
Depth of Framing Girder..... No. 3 Hold	50	✓	See endon email + correspondence	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	-		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>T 80°</u>	7	4	3/8 ✓	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	-		
" " Second Lower Deck, Angle, <u>T 80°</u>	8	4	5/8 ✓	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	-		
" " Third				" " 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	8	4	5/8 ✓	Tank Side Brackets, height above base line at toe of Frame and thickness	67 $\frac{1}{2}$; 13/32	✓	
" " in Peaks, Angle <u>T 80°</u>	6	4	3/8 ✓	INNER BOTTOM PLATING.			
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	EW	✓		Breadth and thickness of Middle Line Strake...	88 $\frac{1}{2}$; 7/16	✓	
State if Frame Joggled.....	No	✓		Thickness of remainder in Holds	3/8	✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	-			Are Rule requirements complied with regard- ing 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 Bottom Forward in accordance with the Rules and/or as approved?	-			BEAMS.			
SINGLE BOTTOM.				Uppermost Continuous Deck, amidships in Wells, Angle, <u>T 80°</u>	5 3 $\frac{1}{2}$ 3/8	sides ✓	
Floors, Depth and thickness at mid-line in Holds.....				" " in way of Bridge, Angle, <u>C</u> or <u>C</u>	4 3 5/16	centre ✓	
Height of Brackets at side above base line at toe of frame.....				Spacing	Ev. frame.	✓	
Middle Line Keelson, on Floors, Angles, <u>C</u> or <u>C</u>				Second Deck, amidships, Angle, <u>T 80°</u>	6 4 3/8	sides ✓	
" " Through Plate or Inter- costal Plate				Spacing	5 3 $\frac{1}{2}$ 5/16	centre ✓	
" " Foundation Plate on Floors				Ev. frame. ✓			
" " Flat Plate Keel Angles				Third Deck, amidships, Angle, <u>C</u> or <u>C</u>			
Side Keelsons, No. each side.....				Spacing.....			
" " thickness of Intercoastal Plate...				Fourth Deck, amidships, Angle, <u>C</u> or <u>C</u>			
" " Angles				Spacing.....			
DOUBLE BOTTOM.				6 4 3/8 sides ✓			
Solid Floors, thickness and spacing	3/8	✓		5 3 $\frac{1}{2}$ 5/16 centre ✓			
" " Are Frame and Reversed Frame joggled?	EW	✓		Ev. frame. ✓			
Bracket Floors, breadth and thickness at middle line	-			Bridge Deck, Angle, <u>C</u> or <u>C</u>			
" " breadth and thickness at margin plate.....	-			Spacing.....			
				Forecastle Deck, Angle, <u>T 80°</u>	5 3 $\frac{1}{2}$ 5/16		
				Spacing.....	Ev. frame.	✓	

PILLARS AND DECKS.
PILLARS, No. of Rows One
in 'tween Decks, Size and Spacing
in Holds
Centre Line Bulkhead.
Stiffeners and Spacing
Plating, thickness of
STRINGERS AND DECKS.
Uppermost Continuous Deck.
Stringer Plate, breadth and thickness
in way of Bridge
Angle
Thickness of Plating abreast Deck openings
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

SHELL PLATING.
SCANTLINGS.
STRAKES.
AS IN VESSEL.
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
RIVETING.
EDGES.
BUTTS.
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
(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).

WATERTIGHT BULKHEADS.
Total No. of W.T. BULKHEADS in Vessel
Extending to Upper Deck (Sec. 3 c)
Deck next below
As per Rule
STIFFENERS.
VERTICAL.
HORIZONTAL.
MIDSHIP BULKH'D, Upper 'tween decks
Second
Third
Holds
COLLISION (in Hold)
AFTER PEAK
STEEL.
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
Has the Steel been tested as required by the Rules?

EQUIPMENT No. 26669
LETTER V
ANCHORS. 3 B - 1 S
Number of Anchors
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
1st Bower
2nd
3rd
Collective weight
Stream

CHAIN CABLES.
HAWERS AND WARPS.
Number of Cables
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
1280
120
120
90

Electro-hydraulic. (2 sets)
Makers:- The Pelton Water Wheel Co.
Alternative Means of Steering Hand pump.
Electric.
Windlass Makers:- Westing H.
Boats 1 jolly
Cargo Batches, thickness, material and spacing
Nos. 1, 2 & 3 5/16" Stl. pontoon.
Thickness of Hatches No. 4 2 1/2" wood.
Main dk
Poop dk
No. 1 (Fwd.)
No. 2
No. 3
No. 4
No. 5
No. 6
Builder's Signature

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FORGINGS AND CASTINGS.
Casting or Forging
Scantlings
Maker's Name
Any from Plans
KEEL, Bar
STEM
STERN FRAME
Rudder
Speed of Vessel
RUDDER-Type
A x D
Diam. of head
Mainpiece at top pintle
heel
how constructed
double plate coupling, vertical or horizontal
Amount of Entry Fee
Fees applied for
Freeboard
Special Survey Fee
Alteration
Travelling Expenses, if any
Day Fee
Whether the Vessel has been built under Special Survey
I am of opinion the Vessel should be Classed
Signature
Date of issue
Helsingborg Office.
Date of issue
Committee's Minute
Character assigned
see minute on Rpt. 8

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.)

Please see separate list regarding plans.

PARTICULARS OF ELECTRIC WELDING (if employed) The vessel electrically welded throughout except main deck stringer angle.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Electrically welded. Cruiser Stern Mch. Aft. Carrying oil, F.P. above 150° F., in deep tank forward. Gy.C. E.S.D. D.F.

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

1st Bower No drop test particulars available.
2nd „
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 177.4 ft., R.Q.D. — ft., Bridge — ft., Forecastle — 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 S M C T Extreme Breadth over Belting — Over-all Length — 338.6 ft. (Circ. 1703)
No. and Material of Decks (2 Dks (Stl) 1st, 2nd dk except in No 3 hold
Parts of Bottom of Vessel coated with cement or approved composition — Not coated. See letter 24.5.48
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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	22.5	134.9	Fore peak tank,	18.0	59.4
Double bottom, under Engines and Boilers,	49.5	134.9	After peak tank,	14.0	46.5
Double bottom, if under Engines only,			Deep tank, aft,	19.0	198.2
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	189	697.3	Other tanks, if fitted,		
Total length (if continuous) and Capacity	261	832.2	(If necessary furnish further information by sketch.)		

Order for Special Survey No. —
Date —
Dates of Surveys held while building { 6/11 1947 - 11/3 1948.
Total No. of Visits 3

Rpt. 9a.

Page 5 to Rpt. 1.

Port of HELSINGBORG Continuation of Report No. 1868 dated 13th March, 1948, on the

M/S "SOMMEN", No. 37814 in RB.

The following plans and specification of the vessel are forwarded herewith.

NOTE:— The plans and specification belong to the Owners and the documents are therefore to be returned to them.

✓ Midship section
✓ Scantling plan
✓ Framing expansion and details
✓ Shell expansion
✓ Forepeak framing
✓ After peak framing
✓ Web frames and structural bhd's between frs. 9 to 18
✓ Transv. bulkheads Fr. 37 and 72.
✓ Main deck plating forward
✓ " " " aft
✓ F'cle " " forward
✓ Poop " " aft
✓ 2nd " " forward
✓ " " " aft
✓ Stern frame
✓ Rudder
✓ Rudder stock
✓ Hatch end beams and web frames in No. 1 hold
✓ Pontoon hatch covers on main deck
✓ " " " 2nd "

✓ Generator wireways
✓ Power system Superstructure deck and above
✓ " " Engine room
✓ " " Main wireways - plan Sh. 1 of 3
✓ " " " - details Sh. 2 of 3
✓ " " Elementary wiring diagram
✓ " " Isometric " "
✓ Isometric diagram of lighting feeders.

Arrangement of Refrigerating cargo spaces.
Wood hatch covers in Refr. cargo spaces
Refrigerated equipment details

Operation and maintenance instructions for refrigerating systems - GENERAL ELECTRIC

T. Ojogren
SURVEYOR TO LLOYD'S
REGISTER OF SHIPPING