

Rpt. 1.
RECEIVED

13 OCT 1949

STEEL STEAMER or MOTORSHIP.

Received at London Office 10 OCT 1949

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

IN D.O.

Date of completion of report *6 October 1949*Port of *Oslo*No. *6374*Survey held at *Fredrikstad*Date First Survey *9th September 1948* Last Survey *2nd September 1949*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Steel single screw steamer "Solviken" (machinery amid.)*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Compul. Superstructure with Tonnage Openings* State Type of Erections *Torcastle, Poop*TONNAGE under Tonnage Deck *2339,88*CLASS *100 A.I.*State if with Freeboard as condition of Class *Yes*Built at *Fredrikstad*

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) *L 340'*Launched *18th June 1949* Yard No. *326*Breadth (greatest moulded) *B 52'*Builders *Fredrikstad Mek. Verktsted*

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 28'-10 1/2"*Owners *Wallen & Co. AS*Gross Tonnage *3112,64*Register Tonnage *1709,39*1st Longitudinal Number (L x D) *= 9802 (91194)*Managers *Glaakon J. Wallen*2nd Numeral L x (B + D) *= 27482 (258448)*

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

Framing Depth "d," at middle of length. See Sec. 3 (1d) *16'-11 1/2"*Residence *Bergen*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11,15*Port of Registry *Bergen*

If surveyed while building, afloat, or in dry dock

Draught Moulded *20'-2 3/4"* *While building.*

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	<i>660mm.</i>		Bracket Floors, Frame	<i>5 1/2 x 3 x 34"</i>	
" " from 3/4 length amidships to Collision bulkhead			" " Reversed Frame	<i>4 x 3 x 32"</i>	
" " in peaks	<i>610mm.</i>		" " Vertical Struts	<i>8 x 3 x 38"</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>1170 x 48</i>	
Frame Amidships, Angle, <i>E</i> or <i>F</i>	<i>9 x 3 1/2 x 38"</i>		" " top Angles	<i>- - -</i>	
" " Extends up to	<i>see deck</i>		" " bottom Angles	<i>4 x 4 x 48"</i>	
Reversed Frame Amidships, Angle	<i>- - -</i>		Side Girders, No. each side and thickness	<i>one E.R. 36 holds 34</i>	
" " Extends up to	<i>- - -</i>		Margin Plate depth (excl. of flange) and thickness	<i>900 x 46 intercostal</i>	
Depth of Framing Girder	<i>- - -</i>		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	<i>E.W.</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i>	<i>5 1/2 x 3 x 40"</i>		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	<i>E.W.</i>	
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i>	<i>at alt. frames</i>		" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>- - -</i>	
" " Third " " "	<i>- - -</i>		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	<i>- - -</i>	
" " from 1 len. for'd. to 15% len. from Stem	<i>10 x 3 1/2 x 40" # 118-133</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>1170</i>	
" " in Peaks, Angle or <i>E</i>	<i>10 x 3 1/2 x 52" # 134-146</i>		INNER BOTTOM PLATING.	<i>4 x E.R.</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8" - 16mm max.</i>		Breadth and thickness of Middle Line Strake	<i>40-36 Holds</i>	
State if Frame Joggled			Thickness of remainder in Holds	<i>- - -</i>	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>		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?	<i>Yes</i>	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>F</i>	<i>Max. 8 x 3 1/2 x 42"</i>	
Floors, Depth and thickness at mid-line in Holds	<i>- - -</i>		" " in way of Bridge, Angle, <i>E</i> or <i>F</i>	<i>- - -</i>	
Height of Brackets at side above base line at toe of frame	<i>- - -</i>		Spacing	<i>every frame</i>	
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i>	<i>- - -</i>		Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>9 x 4 x 56"</i>	
" " Through Plate or Intercostal Plate	<i>- - -</i>		Spacing	<i>every frame</i>	
" " Foundation Plate on Floors	<i>- - -</i>		Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>- - -</i>	
" " Flat Plate Keel Angles	<i>- - -</i>		Spacing	<i>- - -</i>	
Side Keelsons, No. each side	<i>- - -</i>		Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>- - -</i>	
" " thickness of Intercostal Plate	<i>- - -</i>		Spacing	<i>- - -</i>	
" " Angles	<i>- - -</i>		Poop Deck, Angle, <i>E</i> or <i>F</i>	<i>6 x 3 x 34"</i>	
DOUBLE BOTTOM.			Spacing	<i>every frame</i>	
Solid Floors, thickness and spacing	<i>36</i>		Bridge Deck, Angle, <i>E</i> or <i>F</i>	<i>- - -</i>	
" " Are Frame and Reversed Frame joggled?	<i>E.W.</i>		Spacing	<i>- - -</i>	
Bracket Floors, breadth and thickness at middle line	<i>36 - 725mm.</i>		Forecastle Deck, Angle, <i>E</i> or <i>F</i>	<i>6 x 3 1/2 x 40"</i>	
" " breadth and thickness at margin plate	<i>"</i>		Spacing	<i>every frame</i>	

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 <i>in & ship only</i>									
in 'tween Decks, Size and Spacing	I	200 x .60	200 x .42						
" " " "		Hatch No. 1	310 x .50						
" " " "		Supp. Jud. mast	340 x .50						
" in Holds	I	Hatch No. 2	355 x .50						
" " " "		" " 3	315 x .50						
" " " "		Supp. aft mast	8" x .50						
Centre Line Bulkhead.		Hatch No. 3	255 x .50						
Stiffeners and Spacing									
Plating, thickness of									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells									
" " " " in way of Bridge		2000 x .708							
" Angle in Wells		5	5	50					
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge			.46						
Thickness of Plating within line of openings			.46						
If Sheathed, material and thickness									
Second Deck.									
Stringer Plate, breadth and thickness in Wells									
Stringer Plate, breadth and thickness in way of Bridge									
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									
Third Deck.									
Stringer Plate, breadth and thickness									
If Plated, state thickness									
Fourth Deck.									
Stringer Plate, breadth and thickness									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness		30	pine 2 1/2						
Bridge Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness		26	pine 2 1/2						

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.									
FLAT PLATE KEEL	1160	x .66	" .58	.58		Edges electrically welded		Butts E. W.					
" DBLG. (if any)	A 2300												
BOTTOM PLATING, No. of Strakes3....	B 2300												
	C 1805	x .52	" .44	.44									
BILGE PLATING, No. of Strakes1....	D	.52	" .44	.44									
	E 2340	.52											
SIDE PLATING, No. of Strakes4....	F 2340	.52	.42	.42									
	G 2330	.56											
UPPER DECK, Sheer-strake in Wells.....	H 1390	.60											
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW Sheer-strake in Wells.....													
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING38									
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING		.38											

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	4
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	3
As per Rule	6

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM				
STERN FRAME				
Speed of Vessel				
RUDDER—Type				
" A x D				
" Diam. of head				
" Mainpiece at top pintle				
" " heel				
" how constructed				
" double or single plate coupling, vertical or horizontal				

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second					
" " Third					
" " Holds					
COLLISION					
AFTER PEAK					

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth process.*
Bethlehem Steel Company, Smith & McLean, The Lanarkshire Steel Co. Ltd, Cargo Steel Iron Co. Ltd, Colvilles Ltd, Cousett Iron Co Ltd, The Steel Company of Scotland Ltd, Dorman Long & Co. Ltd.
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No 2664, 50										LETTER W.	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.			
67339	1st Bower	50	0	14				42	9	0	7 1/2	Britannic	Richard Sykes Oxadley Heath 2 1/2-49
67340	2nd "	49	3	7				42	5	3	21	(Cast steel head)	H. Phillips
67341	3rd "	49	3	14				42	5	3	21	"	"
	Collective weight.	149	3	7							149 1/2	"	"
67486	Stream	13	3	21	3	3	0	15	12	2	0	Ord. Pattern	3 1/3-49

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.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
6509	270	2 1/16	107 1/2	149 1/2	623	1	16	573 3/4	270	2 1/16	Stud link	North British	Glasgow 4/6-48	TOWLINE...	120	4	46,3	120	4 1/2
												Elect. Weld Cold.	H. Phillips	HAWSERS & WARPS	4x90	2 1/4	14,7	4x90	2 1/2
	90	4 1/4		5 1/5					90	4 1/2									

Steering Gear, Type (Power or hand) *Steam, 7x7", Nabbtoep Mek. Verksted* Alternative Means of Steering *Hand wheel on Propeller geared to tiller*

Steering Chains (Size and Test) *✓* Windlass *Steam, 250 x 300 mm.* Boats *2 of 400 c. each, (one motor)*

Ceiling in Holds, thickness and material *3" pine* Cargo Battens, thickness, material and spacing *2", pine, 10"*

Cargo Hatchways. (Upper Deck) *four* Thickness of Hatches *2 1/2"*

Size of Hatchways No. 1 (Fwd.) *39'0" x 24'* No. 2 *39'0" x 24'* No. 3 *41'4" x 24'* No. 4 *30'7" x 24'* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams *7 upper deck* *Not 7 second "* *No 2-7* *No 3-8* *No 4-6*
and for Fore and Afters *✓* *✓* *✓* *✓* *✓*

Builder's Signature *✓* *As Fredrikstad mek. Verksted*

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 *no* 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 vessel has been built in accordance with the approved plans and Secretary's letter ruling same. The materials and workmanship are good, the materials employed in the construction of the vessel have been tested by the Society's Surveyors at approved Steel Works. ✓

Electrical welding of butts and seams of bottom and shell plating, decks, tanktops, bulkheads, stem, sternframing, rudder and other parts of structural importance has been satisfactorily carried out by recognised welders using approved electrodes.

The double bottom tanks, tunnel side tanks and fore and after peak tanks have been tested as per Rules. The weather decks & bulkheads have been hose tested, the foremast well tested by filling with water.

fuel to be carried as fuel in double bottom tanks no 1-2-3-5-6-7 and in tunnel side tanks, flash point of fuel above 150°F. ✓

Steering gear, windlass & bilge pumping. ✓
Tests see letter 2/12/49.

The amount of Entry Fee £	Fees applied for, 17/9/1949	(Special notations, where part of class, to be stated.)
Special Survey Fee... <i>£r. 10.788.78</i>	Received by me, 26/9/1949	I am of opinion the Vessel should be Classed <i>100A1, 9.49 with freeboard</i>
Travelling Expenses, if any <i>£r. 525.00</i>		
State whether the Vessel has been built under Special Survey <i>Yes</i>	Signature <i>B. Tuit P. Siira</i>	<i>Surveyor to Lloyd's Register of Shipping.</i>
Certificate to be sent to <i>this office</i>	Date of issue <i>22/12/49</i>	

Committee's Minute/
Character assigned *+100A1 "with freeboard"*
Lloyds A+C.P. Fitted for oil fuel 11.49 F.P. above 150°F
+LMC 9.49 F.D. C.L.
2 SB 220 lb
White (X) (hru)

FRI. 18 NOV 1949

© 2020 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.)

Forging and casting reports are endorsed herewith.

A letter from the Owner regarding the omission of the intermediate bulkheads was forwarded on the 14th January 1947.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts and seams of bottom and shell plating, deck plating, tanktops, bulkheads, hatchways, stem, sternframe and rudder, deck houses.

The welding has been carried out to our satisfaction by recognised welders using approved electrodes.

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

Interm. Bk. in forward and after holds dispensed with, 4 BH.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	30-0-0	J. H. J.	9258	10/9-47
	2nd "	30-1-0	J. H. J.	9320	10/10-47
	3rd "	29-3-16	D. J. M.	1798	11/10-48

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 8.4m ft., R.Q.D. V ft., Bridge V ft., Forecastle 9.5m ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated V

Official No. Signal Letters L.H.T.P. Extreme Breadth over Belting 52'-2" Over-all Length 372'-2" (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1Xk. and Shelter Xk. steel.

Parts of Bottom of Vessel coated with cement or approved composition No 4 d.b. tank, fore and after peak tanks.

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. m. feet.	Water Capacity. Tons.	Where Fitted.	Length. m. feet.	Water Capacity. Tons.
Double bottom, aft, no - 5-6-7	38.94	451	Fore peak tank,		112
Double bottom, under Engines and Boilers,			After peak tank,		96
Double bottom, if under Engines only, no. 4	3.96	64	Deep tank, aft, Tanks in way of innards.	17.8	302
Double bottom, if under Boilers only, + 2 CDS.	2.34		Deep tank, forward,	15.83	
Double bottom, forward, no. 1-2-3	43.56	505	Other tanks, if fitted,		
Total length (if continuous) and Capacity	86.46	1020	(If necessary, furnish further information by sketch.)		
	287.92				

Order for Special Survey No. ✓

Date

20/11/46

Dates of Surveys held while building

1948: 9/9, 29/10, 12/11, 3/12, 30/12

1949: 11/1, 4/2, 25/2, 4/3, 11/3, 11/4, 27/4, 10/5, 21/5, 28/5, 4/6, 10/6, 14/6, 18/6, 23/6, 19/7, 27/7, 30/7, 6/8, 12/8, 17/8, 20/8, 29/8, 31/8, 2/9.

Lloyd's Register
Total No. of Visits 30