

## STEEL STEAMER or MOTORSHIP.

JUN 15 1938

Received at London Office

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.*Date of completion of report *10<sup>th</sup> June, 1938.* Port of *Helsingborg.* No. *1181 A*Survey held at *Landskrona.* Date First Survey *7-7-1937* Last Survey *1-6-1938.*On the (State if Machinery fitted Aft and) *Apple Screw Motorship "MORVIKEN" (Moby amids)*  
(if Single, Twin or Triple Screw)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete superstructure with tonnage opening aft.* State Type of Erections *Barricade on top of shell plating*TONNAGE under Eng. *4368.32* CLASS *100 A 1.* State if with freeboard as condition of Class *Yes.* Built at *Landskrona.*Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓* Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 430.0 ✓* Launched *26.2.1938.* Yard No. *49*Total *Eng. 5808.10* Breadth (greatest moulded) *B 57.0 ✓* Builders *Cresundsværket AB*Gross Tonnage *Sw. 4999.57* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 37.0 ✓* Owners *W. Wallem & Co.*Register Tonnage *2986.62* 1st Longitudinal Number (L x D) *= 15910 ✓* Managers *Haakon J. Wallem.*  
(Where necessary to be entered in Reg. Book.)

## REGISTERED DIMENSIONS.

Length *134.8 m. (442.30. (453.7' 0L))* Framing Depth "d," at middle of length. See Sec. 3 (1d) *25'-1 1/2"* Residence *Bergen.*  
Breadth *17.43 m. 57.19* Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.3* Port of Registry *Bergen*  
Depth *6.74 m. 22.11* Draught Moulded *25'-6 5/8"* If surveyed while building, afloat, *and* in dry dock *Yes.*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	m/m INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	m/m INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b> .....	710	✓	<b>Bracket Floors, Frame</b> .....	B.A. 180 90 9 ✓
" " from $\frac{3}{8}$ length to Collision bulkhead.....	710	✓	" " Reversed Frame .....	B.A. 150 75 8.5 ✓
" " in peaks.....	610	✓	" " Vertical Struts .....	E. 240x95-85x13 ✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b> .....	1170 13-11 ✓
Frame Amidships, Angle, E or F .....	320 100 14 ✓		" " top Angles .....	Dbl. 90 90 11.5 ✓
" " in motor space .....	240 100 13 ✓		" " bottom Angles .....	130 130 13 ✓
" " Extends up to .....	2 <sup>nd</sup> deck ✓		<b>Side Girders, No. each side and thickness</b> .....	1 10-9 ✓
<b>Reversed Frame Amidships, Angle</b> .....			<b>Margin Plate</b> depth (excl. of flange) and thickness .....	1025 135 ✓
" " Extends up to...			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	150 150 12 ✓
<b>Depth of Framing Girder</b> .....	320 ✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem .....	150 150 12 ✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b> .....	180x90x9-12 ✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	Ev. frame ✓
" " <b>Second 'tween Decks, Angle, E or F</b> .....	200x90x10 ✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....	90 90 13 ✓
" " <b>Third</b> .....	Spacing as per app. plans. ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....	1170 115-12 ✓
<b>Framing in Peaks, Angle or F</b> .....	180 90 12 ✓		<b>INNER BOTTOM PLATING.</b>	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	22 125-160. ✓		Breadth and thickness of Middle Line Strake ...	1380 13-11 ✓
<b>State if Frame Joggled</b> .....	Yes. ✓		Thickness of remainder in Holds .....	105-95 ✓
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars) .....	As per Sect. 7 and app. plans ✓		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? .....	Yes. ✓
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....	As per app. plans ✓		<b>BEAMS.</b>	
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or F</b> .....	240x95-85x13 ✓
Floors, Depth and thickness at mid-line in Holds .....			" " in way of Bridge, Angle, E or F .....	Ev. frame ✓
Height of Brackets at side above base line at toe of frame .....			Spacing .....	280x10-90x14-300x10-100x16 ✓
<b>Middle Line Keelson, on Floors, Angles, E or F</b> .....			<b>Second Deck, amidships, Angle, E or F</b> .....	Ev. frame ✓
" " Through Plate or Intercostal Plate...}			Spacing.....	
" " Foundation Plate on Floors .....			<b>Third Deck, amidships, Angle, E or F</b> .....	
" " Flat Plate Keel Angles .....			Spacing.....	
<b>Side Keelsons, No. each side</b> .....			<b>Fourth Deck, amidships, Angle, E or F</b> .....	
" " thickness of Intercostal Plate...			Spacing.....	
" " Angles .....			<b>Poop Deck, Angle, E or F</b> .....	
<b>DOUBLE BOTTOM.</b>			Spacing.....	
<b>Solid Floors, thickness and spacing</b> .....	10.5-10 EVERY 4 <sup>th</sup> ft. ✓		<b>Bridge Deck, Angle, E or F</b> .....	
" " Are Frame and Reversed Frame joggled? .....	Yes. ✓		Spacing.....	
<b>Bracket Floors, breadth and thickness at middle line</b> .....	840 10 ✓		<b>Forecastle Deck, Angle, E or F</b> .....	200 75 9-11 ✓
" " breadth and thickness at margin plate.....	840 10 ✓		Spacing .....	Ev. frame ✓

## PILLARS AND DECKS.

	<i>m/m</i> IN SHIP.	Any Departure from Approved Plans to be Noted.		<i>m/m</i> IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS</b> , No. of Rows.....	<i>As per app plans.</i>	✓	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 .....	<i>9.5-9</i>	✓
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....		
„ in Holds „ „			Thickness of Plating within line of openings... <i>DEEP TANK</i>	<i>8.5-8 10</i>	✓
„ „ „ „ „			If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing..... <i>B.A.</i>	<i>7/10 &amp; 1/120</i>	✓	Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	<i>7</i>	✓	If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>1980 14</i>	✓	If Plated, state thickness .....		
„ „ „ „ in way of Bridge			<b>Poop Deck.</b>		
„ Angle in Wells .....	<i>150 150 17.5</i>	✓	Stringer Plate, breadth and thickness .....		
Thickness of Plating abreast Deck openings in way of Wells .....	<i>12.5-10</i>	✓	Plating, Sheathing, material and thickness ..		
Thickness of Plating abreast Deck openings in way of Bridge .....			<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	<i>10-9</i>	✓	Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness .....			Plating, Sheathing, material and thickness ..		
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	<i>1970 10</i>	✓	Stringer Plate, breadth and thickness.....	<i>9</i>	✓
			Plating, Sheathing, material and thickness ..	<i>8.5 12</i>	✓

## 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.	
	Inches 12/12.	Inches 12/12.	Inches 12/12.	Inches 12/12.			Inches 12/12.	Inches 12/12.		Inches 12/12.	Inches 12/12.	
FLAT PLATE KEEL .....	1400	20 ✓	17.5 ✓	17.5 ✓		Double	22	89	✓			E.W.
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes ..... 3.....	2260	14.5 ✓	15-17.5 ✓	12.5-15.5 ✓		- " -	22	89	✓	4	22	90 Lapped
BILGE PLATING, No. of Strakes ..... 1.....	2040	14.5 ✓	14.5 ✓	12.5 ✓		- " -	22	89	✓	4	22	90 - " -
SIDE PLATING, No. of Strakes ..... 4.....	2000	14.5 ✓	12-15.5 ✓	15 ✓		- " -	22	89	✓	3	22	80 - " -
UPPER DECK, Sheer- strake in Wells.....	1960	17.5 ✓	12 ✓	12 ✓		- " -	22	89	✓	4	22	90 - " -
UPPER DECK, Sheer- strake in Bridge ...												
STRAKE BELOW Sheer- strake in Wells.....	1960	16.5 ✓	15 ✓	12 ✓		- " -	22	89	✓	4	22	90 - " -
STRAKE BELOW Sheer- strake in Bridge ...												
POOP SIDE PLATING .....												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			10 ✓			Single	19	75	✓	1	19	65 - " -

## WATERTIGHT BULKHEADS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
Total No. of W.T. BULKHEADS in Vessel—		7				
Extending to Upper Deck (Sec. 3 c)		1				
" Deck next below		6				
As per Rule		1 to U.Dk.	5 to 2nd Dk.			
MIDSHIP BULKH'D, Upper tween decks		7	150x75x8-10	550-600	Tunnel & tank top	
"	Sp. 52	7-5-12	170x90x10-5	730		
"	Second " 75	7-5-12	240x75-85x13	610-800		
"	" 103c	7-10	240x75-85x13	610-830		
"	Third " 105s	8-12	150x75x9	630	2 Beams	
"	" 126	7-5-12	280x10-9x15	738		
"	Holds ..... 150	7-5-12	280x10-95x15	760		
COLLISION		176	140x75x9	610	2 sandwich beams	
"	(in Hold)	8-5-12	170x75x11	710	" "	
AFTER PEAK		9	90x65x7	610	" "	
"	"	8-5-12	130x75x8	610	Recess top	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
<b>KEEL, Bar</b> .....	Cast	12/12	Messrs	
<b>STEM</b> .....	Steel	As per	Mohala	
<b>STERN FRAME</b> { Propeller Post .....	Cast steel.	approx	Messrs	✓
{ Rudder .....		plans	Kohilawa	
<b>Speed of Vessel</b> .....	14 knots		✓	
<b>RUDDER—Type</b> .....				
" A x D .....		554	✓	
" Diam. of head .....				
" Mainpiece at top pintle .....	Forg	305	Messrs Mohala	✓
" " heel ...				
" how constructed .....	E. W.			
" double <del>or</del> single plate coupling, vertical or horizontal .....		115	✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Even heart process*  
*Messrs. Jacobson, Andersen, Hiltner & Co., Messrs. A. Thyssen - Hiltner*  
*Messrs. Dinseldorfer Eisenhütten-Gesellschaft,*  
Has the Steel been tested as required by the Rules? *Yes.*



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.)

M/S "DAGMAR SALEN"

Hbg Report No 1110 A.

Midship section. ✓  
Longitudinal section. ✓  
Shell expansion ✓  
Fore peak. ✓  
Deep tanks. ✓  
W.T. Doors. ✓  
Stormvalve in bonnage well. ✓

Please also see approved plans for the M/S DAGMAR SALEN, Ceresundsværket's Yard No. 47

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. *Carriage oil, FP above 150°F.*  
"Cruiser Stern"; Lloyd's A, CP; *Carrying vegetable oil in Deep Tanks in way of E.R. and wing tanks in way of Tunnel*  
*Direction Finding Apparatus. (D.F.)* *Echo sounding Device. (E.S.D.)*

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45 - 0 - 27	19	947	30.8.37
	2nd "	44 - 3 - 24	-	948	30.8.37
	3rd "	44 - 3 - 24	-	949	30.8.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle *40' ft.*  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks *1 DK (Stl.) & Shelter dk. (Stl.)*

Official No. ☒ ; Signal Letters *L J. W. H.* Is bottom of vessel coated with cement *Yes, except in oil.* ☒ if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. m. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. m. Feet.	Water Capacity. Tons.
Double bottom, aft,	16.33 ✓	236.0 ✓	Fore peak tank,	7.32	109.0 ✓
Double bottom, under Engines and Boilers, Lub. oil.	5.68 ✓	49.5 ✓	After peak tank,	5.49	43.7 ✓
Double bottom, if under Engines only, <i>ER sides</i>	17.04 ✓	315.0 ✓	Deep tank, aft,		
Double bottom, if under Boilers only, <i>Fresh water</i>	9.23 ✓	52.0 ✓	Deep tank, forward, <i>in way of ER</i>	P. 6.39	259.0 ✓
Double bottom, forward,	51.83 ✓	601.0 ✓	Other tanks, if fitted, <i>wing tanks in way of Tunnel</i>	S. 9.23	377.0 ✓
Total capacity of double bottom		1253.5	(If necessary, furnish further information by sketch.)		17.45

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. *26*

Date *14-10-36*

Dates of Surveys held while building

*On stock: 1937 July 7, 10, 12, 19, 21, 23, 26, 27, 29. Aug. 2, 3, 25. Sept. 1, 6, 8, 9, 13, 16, 22, 24, 27, 28, 28.*  
*Oct. 1, 7, 8, 12, 14, 19, 26, 29. Nov. 1, 3, 4, 9, 19, 23, 25, 26, 30. Dec. 3, 6, 7, 9, 14, 15, 16, 16, 20, 27. 1938 Jan. 7, 10, 11, 13, 18, 21, 24, 31. Febr. 3, 8, 10, 12, 15, 17, 19, 19, 21, 22, 23, 25.*  
*AFLOAT: 1938 Febr. 26. March 2, 9, 11, 15, 16, 21, 23, 29. APRIL 1, 8, 21, 27, 29. MAY 4, 9, 11, 14, 16, 20, 24, 25, 27, 28, 29. June 1.*

Total No. of Visits *96*