

STEEL STEAMER or MOTORSHIP.

Received at London Office... 15 10 1938

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

5th December 1938

Port of

Copenhagen

No.

10742

Survey held at

Odense

Date First Survey

29-3-1938

Last Survey

24-11-

1938

On the

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

Steel plate screw motor vessel "HULDA MERSE"

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete superstructure with tonnage openings

State Type of Erections

File only

TONNAGE under Tonnage Deck...

4898.76

CLASS +100 A1

State if with freeboard as condition of Class

yes

Built at

Odense

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

1605.69

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

L 433'-0"

Launched

20-8-38

Yard No. 75

Total

6504.45

Breadth (greatest moulded)

B 57'-6"

Builders Wm. Odense Staalsk. Værk.

Gross Tonnage

5601.24

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'-7 1/2"

Owners 2/3 of 1912 of 2/3 Svendborg 1/5

Register Tonnage

3390.28

1st Longitudinal Number (L x D) = 15860

Managers

A.P. Müller Eng.

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

2nd Numeral L x (B + D) = 40758

Residence

Copenhagen

Port of Registry

Copenhagen

If surveyed while building, afloat, or in dry dock

while building

REGISTERED DIMENSIONS.

FEET.

Length

439.0

Breadth

57.7

Depth

24.4

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

✓

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

11.50

Do. Long Bridge to top of keel

✓

Draught Moulded

25'-3"

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	735	✓	Bracket Floors, Frame	180 90 10	✓
" " from 3/4 length amidships to Collision bulkhead	685	✓	" " Reversed Frame	180 75 8	✓
" " in peaks	610	✓	" " Vertical Struts	180 75 8	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1190 13 1/2	✓
Frame Amidships, Angle, E or F	250 90 14	✓	" " top Angles	90 90 12	Double ✓
" " Extends up to	2nd deck	✓	" " bottom Angles	130 130 13 1/2	Double ✓
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	2 9 1/2	✓
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	1150 15 1/2-13 1/2	✓
Depth of Framing Girder	—		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	150 11 1/2	Flat iron (welded) ✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	180 90 8 1/2	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	150 12	—
" " Second 'tween Decks, Angle, E or F	200 90 12 1/2	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	600 x 10	continuous
" " Third " " " "	320 100 17 E in 40. 2 hold	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	—	—
" " from 1/4 len. for'd. to 15% len. from Stem	250 90 11 E	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1880 x 12 - 11	✓
" " in Peaks, Angle or F	200 90 10	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 - 6 1/2 diam	✓	Breadth and thickness of Middle Line Strake	1550 x 13 - 11	✓
State if Frame Joggled	yes	✓	Thickness of remainder in Holds	11 - 10	✓
Are the scantlings and arrangements in the Panting Area 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 B. & L. space and framing in Bunkers and Boiler Room?	yes	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	BEAMS.		
INGLE BOTTOM.			Uppermost Continuous Deck, amidships	200 90 10 1/2	✓
Floors, Depth and thickness at mid-line in Holds			" " in Way, Angle, E or F	180 75 10	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	—	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	every frame	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or F	250 90 11	✓
" " Foundation Plate on Floors			" " Spacing	every frame	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F	8 3 44-36	✓
Side Keelsons, No. each side			" " Spacing	every frame	✓
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or F	—	
" " Angles			" " Spacing	—	
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	—	
Solid Floors, thickness and spacing	10 1/2 every 4' frame	✓	" " Spacing	—	
" " Are Frame and Reversed Frame joggled?	yes	✓	Bridge Deck, Angle, E or F	—	
Bracket Floors, breadth and thickness at middle line	835 10 1/2	✓	" " Spacing	200 75 10 1/2	✓
" " breadth and thickness at margin plate	835 10 1/2	✓	Forecastle Deck, Angle, E or F	180 75 9 1/2	✓
			" " Spacing	every frame	✓

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
in 'tween Decks, Size and Spacing.....	200	85	9-	II			
Face plates	150	85	9				
		170	12				
No. 1 in Hold	230	90	10	II			
Plate	685	12 1/2					
Face plates	430	10					
Centre Line Bulkhead.	300	90	13-	any 2' frame			
Stiffeners and Spacing.....	150	75	8				
Plating, thickness of		7 1/2					
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	1830	16 1/2	✓	app'd 15	✓		
	1375	11	✓	--- 1000	✓		
" " " " in way of Bridge							
" Angle in Wells	150	150	18	✓			
Thickness of Plating abreast Deck openings in way of Wells	15 1/2	at hatchways	✓	see before letter			
Thickness of Plating abreast Deck openings in way of Bridge	14 1/2	at Engine Room	25/3/39	✓			
Thickness of Plating within line of openings...	10	9 1/2	✓				
If Sheathed, material and thickness	no		✓				
Second Deck.							
Stringer Plate, breadth and thickness in Wells	2100	11	✓	app'd 1830 x 10 1/2	✓		
	1200	9	✓	920 x 9	✓		
Stringer Plate, breadth and thickness in way of Bridge							
Thickness of Plating within line of openings...							
If Sheathed, material and thickness							
Third Deck. clear of bulks							
Stringer Plate, breadth and thickness						8 1/2	✓
If Plated, state thickness						7 1/2	✓
Fourth Deck.							
Stringer Plate, breadth and thickness							
If Plated, state thickness							
Poop Deck.							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness							
Bridge Deck.							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness							
Forecastle Deck.							
Stringer Plate, breadth and thickness	1100	9	✓	app'd 915	✓		
Plating, Sheathing, material and thickness						9 no sheathing	✓

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. <i>Inches.</i>	Thickness. <i>Inches.</i>	Thickness. <i>Inches.</i>	Thickness. <i>Inches.</i>			Diam. <i>Inches.</i>	Spacing cr. to cr. <i>Inches.</i>		Diam. <i>Inches.</i>	Spacing cr. to cr. <i>Inches.</i>	
FLAT PLATE KEEL	2000	20 ✓	18½ ✓	17½ ✓		Double	25	90 ✓	4 - 3	25	100 ✓	lapped
„ DBLG. (if any)										22	80	dolt. shapped
BOTTOM PLATING, No. of Strakes 3	2400	15 ✓	17¼ ✓	13 ✓		Double	22	90 ✓	3	22	80 ✓	lapped
BILGE PLATING, No. of Strakes 1	1900	15 ✓	13 ✓	15¼ ✓		-	22	90 ✓	3	22	80 ✓	-
SIDE PLATING, No. of Strakes 3	2300	15 ✓	15 ✓	12 ✓		-	22	90 ✓	3	22	80 ✓	-
UPPER DECK, Sheer-strake in Wells.....	20	20 ✓	12 ✓	12 ✓	app'd. 19 ✓	-	25	100 ✓	4 -	25	100 ✓	-
						-	22	90 ✓	3	22	80 ✓	-
UPPER DECK, Sheer-strake in Bridge ...	20	20 ✓			- 19 ✓	-	25	100 ✓	4	25	100 ✓	-
STRAKE BELOW Sheer-strake in Wells.....	15½	15½ ✓	12 ✓	12 ✓		-	22	90 ✓	3	22	80 ✓	-
STRAKE BELOW Sheer-strake in Bridge ...	15½	15½ ✓										
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			10½ ✓			Single	19	75 ✓	1	19	65	lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	8
As per Rule	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM		260 x 70	✓	
STERN FRAME	Propeller Post	cast steel	✓	
	Rudder	cast steel	✓	
Speed of Vessel		14.5 knots	✓	
RUDDER—Type				
" A x D		16.37	✓	
" Diam. of head		305	✓	
" Mainpiece at top pintle		cast steel frame	✓	
" heel		with side plates	✓	
" how constructed		on both sides	✓	
" double or single plate coupling, vertical or horizontal		moulded in in pieces	✓	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	6 1/2	75 x 65 x 9	at 760		
" " Second					
" " Third					
" " Holds (p. 92)	11 1/2	75 x 180	75 x 105	663	840-685 x 10 plates
" " (in Hold)	12 1/2	90 x 180	75 x 125	610	250 x 90 x 12 1/2 face bars
COLLISION	12 1/2	90 x 180	75 x 125	610	
AFTER PEAK	10	75 x 200	75 x 105	610	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Plates: - Dorman Long & Co. Ltd.
	Profiles: - Dorman Long & Co. Ltd. and Carrall Iron Co. Ltd. and The Lancashire Steel & Co. Ltd. and Appleby-Frodingham Steel Co. Ltd.
	Has the Steel been tested as required by the Rules? yes. ✓

EQUIPMENT No 41859

LETTER 6-1

ANCHORS.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
97538	1st Bower ...	Cwts. 72 qrs. 2 lbs. 7	Cwts. — qrs. — lbs. —	Tons. 55 cwt. 5 qrs. 0 lbs. 0	72.2.0	Stockless	N. Hingley & Sons Ltd.	Vellerton 30/38 J.A. Relf
97528	2nd „ ...	72 1 0	—	55 0 0 0	—	—	—	— 28/38 —
97529	3rd „ ...	63 0 0	—	50 0 0 0	—	—	—	— 30/38 —
	Collective weight.	207 3 7	—	—	207.0.0	—	—	— 30/38 —
97544	Stream	20 2 21	5 1 0	21 8 0 14	20.2.0	Iron stock	—	— 30/38 —

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.	Supplied. Per Rule.	Length. Diam.					Fathoms. Ins.	Tons.	Fathoms. Ins.
89223	150 2 3/8	10 1/2 142.1	424.0.16	300 2 3/8	Stud Link	N. Hingley & Sons	Vellerton 30/38 J.A. Relf	TOWLINE...	130 5	76.6	130 5
89236	150 2 3/8	10 1/2 142.1	423.2.15	—	—	—	—	HAWSERS & WARPS	2x100 2 3/4	17.8	2x100 2 3/4
	Cir.								2x100 8"	1 temp	2x100 8"
Iron Stream	120 5	53.5		120 5	6x12	Randers	Randers 6 1/38.				
Steel Wire						Petlaasari					

Steering Gear, Type (Power or hand) Deutsche Werke (steam)

Alternative Means of Steering direct

Steering Chains (Size and Test) belamotor

Windlass Thos. B. Thirge (electric)

4 boats @ 24'-3" x 7'-7" x 3'-0"
Boats 1 dinghy @ 18'-0" x 5'-10" x 2'-4"

Ceiling in Holds, thickness and material 2 1/2" W.P. on 2" battens

Cargo Battens, thickness, material and spacing 6" x 2" W.P. — 9" spacing

Cargo Hatchways.—(Upper Deck) 1070" high with 12 1/2" ends

Thickness of Hatches 2 1/2"

Size of Hatchways No. 1 (Fwd.) 10275 x 6096 Z No. 2 13230 x 6096 Z No. 3 11025 x 6096 Z No. 4 11760 x 6096 Z No. 5 8820 x 6096 Z No. 6

Number of Shifting Beams and/or Fore and Afters 6 8 7 7 5

Builder's Signature

Tom Andersen

ODENSE STAALSKIBSVÆRFT
VED A. F. MØLLER

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 is a motorship
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo yes
be indicated, together with the flash point (where required to be inserted in the Notation). The positions in which oil is carried as fuel or cargo should

Vessel fitted for carrying oil fuel in double bottom tanks (except no. 7 tank), in F.P. tanks, in deep tanks abaft motorroom and in tank above A.P. also deep tanks forward and abaft motorroom fitted for carrying vegetable oil as cargo. F.P. of oils above 150°F, also requirements of sec. 20 complied with.

This vessel is built in accordance with the approved plans, the Secretary's letters, the Society's Rules and to my satisfaction.

The material and workmanship employed during the construction of the vessel are of good quality.

All the D.B. tanks, peak tanks, deep tanks, O.F. tank above A.P., weather decks, gullways, W.F. hold, shaft tunnel and recesses, scuppers and air- and sounding pipes water tested according to Rules.

W.F. doors, windlars and steering arrangements tried and found satisfactory.

Amount of Entry FeeK.s	201.60	Fees applied for,
Freight fee ..K.	358.40	28.11.1938
Special Survey Fee..K.s	7.617.12	Received by me,
Lab-c early fee's K.	90.00	2.12.1938
Travelling Expenses, if any	1.036.85	

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed +100 A 1
with freeboard.

ate whether the Vessel has been built under Special Survey. yes

Signature

S. Sanderson

Surveyor to Lloyd's Register of Shipping.

ertificate to be sent to. Surveyors office, Cpn

TUE 31 JAN 1939

FRI 14 JUL 1939

ommittee's Minute

haracter assigned

+100A1
with freeboard

Car. fuel oil F.P. above 150°F in F.P.T. after deep tanks & tank above A.P.

Car. veg. oil in food deck tanks

Lloyd's Register

+Line 11.38 208/100 lb

Ch Oil Eng

006160-006174-0044 2/2

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.)

PARTICULARS OF ELECTRIC WELDING (if employed)

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

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

1st Bower 37.0.12 W.H. 3196 25.3.38
2nd „ 36.2.24 W.H. 3195 25.3.38
3rd „ 31.2.15 W.H. 6233 22.1.37

14% light

16%

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 45 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 OY X Z

Extreme Breadth over Belting ☒

Over-all Length 466'-4" ☒

No. and Material of Decks

2 dh^s (sl), 3 dh^s (sl) in no. 1 hold.

1 Dh & Shells Dh. 3rd Dh. in No 1 hold.

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.	oil Tons.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	oil Tons.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, p. 16-70	280	127.8	372	Fore peak tank, p. 174-shern	73	23.6	83
Double bottom, under Engines and Boilers,				After peak tank, p. 1-11		20.0	71
Double bottom, if under Engines only, p. 70-91	365	50.6	416	Deep tank, aft, p. 57-72	1024	36.2	1171
Double bottom, if under Boilers only, p. 91-174	658	195.5	750	Deep tank, forward, p. 92-119	1669	65.1	1905
Double bottom, forward,				Other tanks, if fitted, p. 12-17	110	18.0	126
Total length (if continuous) and Capacity	1303	373.9	1538	(If necessary, furnish further information by sketch.)			

Order for Special Survey No. 118

Date 3-4-37

Dates of Surveys held while building

1938:- 27/2 1/4 6/5 10/5 11/5 17/5 21/5 1/6 4/6 8/6 14/6 17/6 22/6 28/6 1/7 14/7 25/7
2/8 5/8 9/8 10/8 12/8 13/8 17/8 18/8 20/8 30/8 7/9 6/9 9/9 13/9 16/9 19/9 24/9 30/9
4/10 14/10 15/10 18/10 20/10 26/10 29/10 2/11 3/11 24/11

Lloyd's Register Foundation
Total No. of Visits 41