

## STEEL STEAMER or MOTORSHIP.

Received at London Office 25 AUG 1945

"HYDRA"

State if Report has been sent on the Freeboard of the Vessel No!

State if Report is sent on the Machinery of the Vessel Yes!

Date of completion of report

5<sup>th</sup> December 1941

Port of

Copenhagen

No.

11387

Survey held at

Nakskov

Date First Survey

3<sup>rd</sup> August 1939

Last Survey

3<sup>rd</sup> November

1941

On the

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

Single screw motor tanker

HENNING MERSK

Machinery fitted aft

State Type

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

Full Scantling

Trawler

RENAMED "HYDRA"

State Type of Erections Poop, Bridge, Etc.

TONNAGE under Tonnage Deck...

8987.70

CLASS 100. A. 1

State if with freeboard as condition of Class

No.

Built at

Nakskov

space or spaces in Tonnage Dk. Upper Dk.

8987.70

Tonnage

9841.98

Gross Tonnage

5911.58

REGISTERED DIMENSIONS. FEET.

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

FEET.

L 485.0

Breadth (greatest moulded)

B 66.5

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

D 35.92

1st Longitudinal Number (L x D)

= 17420

2nd Numeral L x (B + D)

= 49670

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

13.5

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

13.5

Do. Long Bridge to top of keel

Draught Moulded

Yes!

Launched

20/3 - 1940

Yard No. 93

Builders

4/3 Nakskov Skibsværft.

Owners

3/5 Jørgen Skibsselskabet Svendborg

Managers

A. P. Møller

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

Residence

Copenhagen

Port of Registry

Copenhagen

# Surveyed while building, afloat, or in dry dock?

Yes!

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. + 1/4	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
ES, Spacing amidships	800 ✓		Bracket Floors, Frame	✓	
in fore hold	680 ✓		Reversed Frame	✓	
from 1/2 length amidships to	610 ✓		Vertical Struts	✓	
Collision bulkhead					
in peaks					
FRAMING.			Centre Girder, depth and thickness amidships	1200 ✓ 13 1/2 ✓	
in Amidships, Angle, E or F	250 x 90 x 11 ✓		top Angles	90 x 90 x 12 1/2 ✓	
in way of transverses	17 x 4 x 4 x 48 x 68 ✓		bottom Angles	130 x 130 x 14 ✓	
Extends up to	Upp. deck ✓		Side Girders, No. each side and thickness	3 x 20 x 15-11 ✓	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	14 ✓	
Extends up to			Vertical Angle to Tank side	✓	
th of Framing Girder			Bracket abaft 1/2 len. from stem	✓	
in Uppermost Continuous 'tween			Vertical Angle to Tank side	✓	
Decks, Angle, E or F			Bracket from forward 1/2 len. from stem to Panting Area	✓	
Second 'tween Decks, Angle, E or F			Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
Third			Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
from 1/2 len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line at toe of Frame and thickness	800 x 12 ✓	
in Peaks, Angle, E or F	230 x 90 x 12 ✓				
meter and Spacing of Rivets through Frame and Shell Plating amidships	22 ~ 115		INNER BOTTOM PLATING.		
if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	13 ✓	
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved ✓		Thickness of remainder in Holds	13 x 28 ✓	
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved ✓		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 ✓	
DOUBLE BOTTOM.			BEAMS.		
Centre tanks	✓		Uppermost Continuous Deck, amidships		
ors, Depth and thickness at mid-line in Holds	1400 x 12 1/2 ✓		in Wells, Angle, E or F		
Height of Brackets at side above base line at toe of frame side bulk	3400 x 12 1/2 ✓		in way of Bridge, Angle, E or F		
Middle Line Keelson, Angle, E or F	150 x 75 x 11 db. ✓		Spacing		
Through Plate	1475 x 10 1/2 ✓		Second Deck, amidships, Angle, E or F		
Intercoastal Plate	✓		Spacing		
Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F		
Flat Plate Keel Angles	100 x 100 x 14 db. ✓		Spacing		
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, E or F		
thickness of Intercoastal Plate	✓		Spacing		
Angles	✓		Poop Deck, Angle, E or F	230 x 90 x 12 1/2 ✓	
DOUBLE BOTTOM.			Spacing	as app. ✓	
Solid Floors, thickness and spacing	ev. frame 11 ✓		Bridge Deck, Angle, E or F	150 x 75 x 9 ✓	
Are Frame and Reversed Frame joggled?	yes ✓		Spacing	30" ✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	200 x 75 x 12 1/2 ✓	
breadth and thickness at margin plate	✓		Spacing	as 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.
<b>PILLARS, No. of Rows.....</b>		9 M/M					
"	in 'tween Decks, Size and Spacing.....	8 in. ✓		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 .....		✓	
"	in Holds Centre bulkheads " I 300x300x12x20 ✓			Thickness of Plating within line of openings...		✓	
Two " large " " " " ✓	✓	✓		If Sheathed, material and thickness .....		✓	
<b>Centre Line Bulkheads.</b>	✓	✓		<b>Third Deck.</b>			
Stiffeners and Spacing.....	Top 17x4x4x68x48 ✓ Bottom 10 1/2 - 10 1/2 - 9 1/2 ✓	✓	Top strakes app 10-9 1/2 ✓	Stringer Plate, breadth and thickness.....		✓	
Plating, thickness of .....	10-11-11 1/2-13 ✓	✓		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	2/30 x 19 ✓	✓		If Plated, state thickness .....		✓	
" " " " in way of Bridge	2/30 x 27 ✓	✓		<b>Poop Deck.</b>			
" " " " at poop front	2/30 x 26 1/2 ✓	✓		Stringer Plate, breadth and thickness .....		1700 x 9 1/2 ✓	
" Angle in Wells .....	180 x 180 x 19.			Plating, Sheathing, material and thickness ...		6 1/2, 2 1/2 Reg. plating ✓	
Thickness of Plating abreast Deck openings in way of Wells .....	19 ✓	✓		<b>Bridge Deck.</b>			
Thickness of Plating abreast Deck openings in way of Bridge .....	19 ✓	✓		Stringer Plate, breadth and thickness.....		1900 x 10 1/2 ✓	
Thickness of Plating within line of openings...	13 1/2 ✓	✓		Plating, Sheathing, material and thickness ...		9, not sh. ✓	
If Sheathed, material and thickness .....	not sheathed ✓	✓		<b>Forecastle Deck.</b>			
<b>Second Deck.</b>				Stringer Plate, breadth and thickness.....		9 1/5 x 9 1/2 ✓	
Stringer Plate, breadth and thickness in Wells...	✓			Plating, Sheathing, material and thickness ...		9 not sh. ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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. M/M	Inches. M/M	Inches. M/M	Inches. M/M			Inches. M/M	Inches. M/M		Inches. M/M	Inches. M/M	
FLAT PLATE KEEL .....	1385 ✓	26 ✓	20 ✓	20 ✓		db.	25 ✓	100 X	8/16 welded	Elect. + O.K. 52	60° angle - back run.	✓
" DBLG. (if any)		✓				db.	22 ✓	85 ✓	4 ✓	22 ✓	80 ✓	lapped ✓
BOTTOM PLATING, No. of Strakes ..... H.V..	2200	17 ✓	15 ✓	13 ✓		"	22 ✓	85 ✓	4 ✓	22 ✓	90 ✓	lapped ✓
BIDGE PLATING, No. of Strakes ..... 2..		17 ✓	15 1/2 ✓	13 ✓		db. ✓	22 ✓	85 ✓	4 ✓	22 ✓	90 ✓	lapped ✓
SIDE PLATING, No. of Strakes ..... 5..	1900	17 1/2 ✓	12 ✓	13 ✓		"	25 ✓	100 X	3 + 3 ✓	25 ✓	115 ✓	db. straps ✓
UPPER DECK, Sheer-strake in Wells.....	1500	24 1/2 ✓	12 ✓	13 ✓		"	25 ✓	100 X	3 + 3 ✓	25 ✓	115 ✓	lapped ✓
UPPER DECK, Sheer-strake in Bridge ...	1500	30 ✓	✓	30 ✓		"	22 ✓	90 ✓	4 ✓	22 ✓	90 ✓	lapped ✓
STRAKE BELOW Sheer-strake in Wells.....	1920	17 1/2 ✓	12 ✓	14 ✓		"	22 ✓	90 ✓	4 ✓	22 ✓	90 ✓	"
STRAKE BELOW Sheer-strake in Bridge ...	✓	17 1/2 ✓	✓	23 ✓		Single	19 ✓	75 ✓	2 ✓	19 ✓	65 ✓	"
POOF SIDE PLATING .....	✓	✓	✓	10 1/2 ✓		"	19 ✓	75 ✓	2 ✓	19 ✓	65 ✓	"
BRIDGE SIDE PLATING ...	✓	11 ✓	✓	✓		"	19 ✓	75 ✓	1 ✓	19 ✓	65 ✓	"
FOREC'TLE SIDE PLATING	✓	✓	11 ✓	✓								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		STIFFENERS.				
		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	Extending to Upper Deck (Sec. 3 c)					
	„ Deck next below					
	As per Rule					
MIDSHIP BULKHD, Upper tween decks						
„	„ Second „					
„	„ Third „					
„	„ Holds .....					
COLLISION	„ (in Hold) .....					
	„					
AFTER PEAK	„					
	„					

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....				
<b>STEM</b> .....	Cast- steel.		Ward's Steel Works	
<b>STERN FRAME</b> {				
Propeller Post .....	"			
Rudder .....	✓			
<b>Speed of Vessel</b> .....		13 knots ✓		
<b>RUDDER—Type</b> .....		Simplex balanced Rudder. ✓		
" A x D .....		✓		
" Diam. of head .....	Cast- <sup>st.</sup>	340 <sup>mm</sup> ✓		
" Mainpiece at top pintle .....	Forg.	285 <sup>mm</sup> ✓	Vitkovice	
" " keel .....		✓		
" how constructed .....		Welded. ✓		
" double or single plate .....		db. 15 <sup>mm</sup> ✓		
" coupling, vertical or horizontal .....		horizontal. ✓		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)  
Notes:- Jernvarfäkt. Jernverk (Sweden) - August Thyssen - Hütte AG.  
Profiles:- Dortmund - Hoerder Hüttenverein  
Has the Steel been tested as required by the Rules? Yes! ✓



M/V "Hemming. Marsh"

# PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.
aming of L, L or C												
etween Decks	180	75	10									
most Continuous No. 1	17"	4"	.66"	17"	4"	.66"			22	130		
girder									22	125	11 rivets spaced 80" in ap.	8 rivets welded end conn.
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
Amidships	760Z											
At Ends				760Z								
Top Longitudinals												
Bottom												
Amidships												
At Ends												
Transverses.	320		9 1/2									
Depth and Thickness	75	75	10									
Face Angles	90	90	12						22	100		
Lugs to Shell	875		11									
Depth and Thickness	150	90	12 1/2									
Face Angles	140	140	12						22	100		
Lugs to Shell	1400		12 1/2									
Depth and Thickness	250	90	12									
Face Angles	150	150	12						22	100		
Lugs to Shell	90	90	12									
Back Bars	(1400 + 2000)		12 1/2									
Brackets	10-6"											
of Transverse Frames												
State if joggled or liners.												
Bridge Deck	150	75	9				Spacing 760		Plate 250x9	Face Angles 150x76x12		
Upper	230	90	11				760		800x11	200x75x11		
Second												
Third												

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

Wade

(B. B. B.)

0030 2/3







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.)

No. sister vessel building. *not plans approved*

The vessel has been taken over by the German Authorities.  
Chain cables not supplied, and test of windlass & shearing gear not carried out.  
To the Owners, before sale, of the vessel an interim certificate has been issued as per attached copy.  
Vessel named "Hydra" after being taken over by the Germans.

W.B: GUDB 91' 510t  
DTF 29' 440t  
FPT 195t  
APT 160t

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel plates. — End connections of all deck & bottom longitudinals — Transverses to longitudinals — Brackets of transverses to long<sup>t</sup>. bulkheads — Marginal plate to shell (in motor space aft). — Frame brackets to marginal plate — All vertical connections of main motor seatings — Aux. engine seatings — Bhd. stiff brackets at top & bottom — Vent. coamings. —  
Electrodes used + OK 52.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Carrying petroleum in bulk. — Longitudinal framing at bottom & deck — D.F. — Mch. aft — Cruiser stern.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head		Shank	
	1st Bower	2nd "	3rd "	Stock Anch.
	57:1:26	56:1:11	49:0:11	24:3:9
	J.Q., 1529, 27.11.39.	J.Q., 1530, 27.11.39.	J.Q., 1531, 27.11.39.	J.Q., 1532, 27.11.39.
			25:3:11, J.Q., 1535, 27.11.39.	110.1' as built 19.12.45

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106.60 ft., R.Q.D. ✓ ft., Bridge 36.75 ft., Forecastle 31.75 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 Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 513.5' ✓  
No. and Material of Decks One deck (SH).  
Parts of Bottom of Vessel coated with cement or approved composition Cement in fore & after peak and Fresh water 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) While properly operated any Society or Officer of the Register may require the tanks to be tested.)  
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

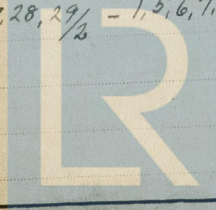
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	25.5	16
Double bottom, under Engines and Boilers,	89.24	510	After peak tank,	18.8	16
Double bottom, <del>if</del> under Engines only, (2) lub. oil.	34.20	35	Deep tank, aft, (form part of motor space) Burners	15.75	44
Double bottom, if under Boilers only,	90.6'	✓	Deep tank, forward,	29.0	44
Double bottom, forward,	89.24	510	Other tanks, <del>if</del> fitted, Boiler oil + Feed. W. + F. W. tank - Coff.	36.6	35
Total length (if continuous) and Capacity	as built 19.12.45		(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 139.

Date 20.9.1939.

Dates of Surveys held while building

1939 3.9.15, 18.23/8 - 6.12.20, 26/9 - 5.10.12, 18, 21.25.28/10 - 1.3.10, 14, 15, 21, 22, 28/11 - 1.6.8.12, 19.22/11  
1940 3.9.11, 13, 16.24.30.31/1 - 2.6.19, 20, 26, 27.28.29/2 - 1.5.6.7.8.11.12.13.14.20.29/3 - 2.8.17/4 - 21/11  
27/9.  
1941 3/11.



Lloyd's Register Foundation  
Total No. of Visits