

Rpt. 1.

40603.
STEEL STEAMER or MOTORSHIP.

W261-0024(112)

11 MAY 1931

Received at London Office

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

20th April 1931

Port of

Copenhagen

No.

8494

Survey held at

Nakskov

Date First Survey

10th July 1930

Last Survey

18th April

1931.

On the

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

Steel Twin Screw Motor Tanker

HENRIK AMELN

machinery aft

State Type

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

Tanker - Transverse framing, 2 long & 3 short

State Type of Erections

P.B.F.

Tonnage under

5474.12

CLASS 100 A 1

State if with freeboard

No

CARRYING PETROLEUM IN BULK as condition of Class

FEET.

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

L 400

Breadth (greatest moulded)

B 55

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

D 32

1st Longitudinal Number (L x D) = 12800

2nd Numeral L x (B + D) = 34800

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

12.5

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keelDo. Long Bridge to top
of keelDraught Moulded 25'-7³/₄

Built at Nakskov

Launched 24 January 1931 Yard No. 44

Builders As Nakskov Skibsværft

Owners Akties. Frugtfort.

Managers L. Harboe Jensen.

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

Residence Arbinsgate 1. Oslo.

Port of Registry Oslo.

If surveyed while building, afloat, or in dry dock

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.
acing amidships	29		Bracket Floors, Frame		
" from $\frac{3}{8}$ length to Collision bulkhead	27		" " Reversed Frame		
" in peaks	24		" " Vertical Struts		
ING.			Centre Girder, depth and thickness amidships	42	52
dships, Angle, E or [	300 90 13		" " top Angles DOUBLE	90 90 12.5	
FROM LONG th BHD TO LONG th BHD			" " bottom Angles DOUBLE	100 100 14	
Extends up to			Side Girders, No. each side and thickness	2 C 50	
rame Amidships, Angle L	280 90 12		Margin Plate depth (excl. of flange) and thickness		
BIDGE TO DECK			" " Vertical Angle to Tank side		
Extends up to			" " Bracket abaft $\frac{1}{2}$ len. from stem		
aming Girder			" " Vertical Angle to Tank side		
SIDE TANKS			" " Bracket forward $\frac{1}{2}$ len. from stem		
Uppermost Continuous 'tween	90 90 11		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
Decks, Angle, E or [			" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		
Second 'tween Decks, Angle, [or [	18" 11		Tank Side Brackets, height above base line at toe of Frame and thickness		
S IN SIDE TANKS			INNER BOTTOM PLATING.		
Third " " " "	200 90 10		Breadth and thickness of Middle Line Strake		.50
Peaks, Angle or [	230 90 13		Thickness of remainder in Hold in Motor Room		.50
nd Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 - 4/8		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & D. space and framing in Bunkers and Boiler Room?	YES.	
me Joggled	Yes.		BEAMS.		
ANGEMENTS (Sec. 7), state system and particulars	4 SIDE STRINGERS, PAINTING BEAMS & WEB FRAMES.		Uppermost Continuous Deck, amidships	180 90 9	
NING OF BOTTOM FOR	BACK BARS TO FRAMES 90.90.10		" " in Wells, Angle, E or [	250 90 12	
State Particulars	EXTRA SIDE GIRDER 985 x 10		" " in way of Bridge, Angle, E or [
OM.	BOTTOM SHELL MIDSHIP THICKNESS 1 DEEP FLOOR IN NO. 1 TANK.		Spacing	EVERY FRAME	
th and thickness at mid-line in folds			IN SIDE TANKS		
ght of Brackets at side above use line at toe of frame	230 90 11 in Nos. 1-5-6-7-8 Tanks		Second Deck, amidships, Angle, E or [	180 90 9	
e Keelson, on Floors, Angles, E or [DOUBLE	250 90 12 in Nos. 2-3-4 Tanks		Spacing	EVERY FRAME	
" Through Plate or Intercostal Plate	42 50		IN SIDE TANKS		
" Foundation Plate on Floors			Third Deck, amidships, Angle, E or [	180 90 9	
" Flat Plate Keel Angles	150 150 12.5		Spacing	EVERY FRAME	
No. each side	42 50		Fourth Deck, amidships, Angle, [or [
thickness of Intercostal Plate	300 90 16.5 in Nos. 2, 3, 4		Spacing		
Angles TOP SINGLE L	250 90 11.5 in Nos. 1, 5, 6, 7, 8		Poop Deck, Angle, E or [	200 90 10 1/2	
OTTOM. IN MOTOR ROOM.			Spacing	EVERY FRAME	
Solid Floors, thickness and spacing	40 EVERY FRAME		Bridge Deck, Angle, E or [	200 90 10	
" " Are Frame and Reversed Frame joggled?	YES.		Spacing	EVERY FRAME	
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or [	230 90 11 6	
" " breadth and thickness at margin plate			Spacing	EVERY 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.
PILLARS , No. of Rows.....	✓				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	✓			
„ „ „ „ „	✓				Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „	✓				Thickness of Plating within line of openings...	✓			
2 SIDE „ „ „ „	✓				If Sheathed, material and thickness	✓			
Centre-Line Bulkhead L					Third Deck.	✓			
Stiffeners and Spacing.....		280	90 12		Stringer Plate, breadth and thickness.....				
		EVERY	FRAME		If Plated, state thickness.....	✓			
Plating, thickness of		50 5	40 TOP STRAKE 42		Fourth Deck.	✓			
STRINGERS AND DECKS.					Stringer Plate, breadth and thickness.....	✓			
Uppermost Continuous Deck.					If Plated, state thickness	✓			
Stringer Plate, breadth and thickness in Wells	63		68		Poop Deck.				
„ „ „ „ in way of Bridge	63		76		Stringer Plate, breadth and thickness	40		34	
„ „ „ „ & POOP FRONT					Plating, Sheathing, material and thickness			28	
„ Angle in Wells	6	6	72		Bridge Deck.				
Thickness of Plating abreast Deck openings in way of Wells			68		Stringer Plate, breadth and thickness.....	40		41	
Thickness of Plating abreast Deck openings in way of Bridge			50		Plating, Sheathing, material and thickness ...			32	
Thickness of Plating within line of openings... ON TRUNK TOP	76	61	50		Forecastle Deck.				
If Sheathed, material and thickness	No				Stringer Plate, breadth and thickness.....			36	
STRINGER					Plating, Sheathing, material and thickness ...			34	
Second Deck, 5 IN SIDE TANKS									
Stringer Plate, breadth and thickness in Wells	33		40						

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No.</i>			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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	1300	<i>23.4</i> 23	17.5	17.5		Double	1	<i>1/2</i> pair	3+3	1	4	Double Straps	
„ DBLG. (if any) ✓		15.7											
BOTTOM PLATING, No. of Strakes	4	15.5	14.5	14.5		Double	1	<i>1/2</i> pair	4	<i>1/8</i>	3½	Lapped	
BILGE PLATING, No. of Strakes	1	15.5	14.5	13.5		Double	<i>1/8</i>	8 pairs	4	<i>1/8</i>	3½	Lapped	
SIDE PLATING, No. of Strakes	3	14.5	11.5	12.0		Double	<i>1/8</i>	8 pairs	3	<i>1/8</i>	3½	Lapped	
UPPER DECK, Sheer-strake in Wells	1540	21.3	11.5	12.5		Double	1	<i>1/2</i> pair	4	1	4	Lapped	
UPPER DECK, Sheer-strake in Bridge <i>ENDS</i> POOP	1540	27.5	-	-		Double	1	<i>1/2</i> pair	3+3	1	4	Double Straps	
STRAKE BELOW Sheer-strake in Wells	1780	14.5	11.5	12		Double	<i>1/8</i>	8 pairs	3	<i>1/8</i>	3½	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	9.5		Single	<i>3/4</i>	<i>7/8</i>	3½	2	<i>3/4</i>	2½	Lapped
BRIDGE SIDE PLATING ...	✓	10.5 12.0	✓	✓		Single	<i>3/4</i>	3	3	<i>3/4</i>	2½	Lapped	
FOREC'TLE SIDE PLATING	✓	✓	10.5	✓		Single	<i>3/4</i>	<i>7/8</i>	3½	2	<i>3/4</i>	2½	Lapped

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c) 10				✓	✓	✓	✓
" Deck next below ✓							Withauizer, Bergbau- und Eisen- hütten-Gesellschaft.
As per Rule ✓							
				STIFFENERS.			
Plating Thickness.				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks				6" THICK	280 x	27	Up 1830 x 125 Face 100 x 90 as 2 11 6 app. Low 9 15 x 10.
" " Second "				8.0 L 13.0	90 x 12 L		Face 190 flange
" " Third "				SIDE THICK 8.0 L 12.5	280 x 90 x 12 L	28 1/2	
" " Holds				13 to 7.5	250 x 90 12.5 L	24	One semi box beam. A Peak deck
COLLISION (in Hold)				9.0 L 11.5	250 x 90 12.5 L	24	Tank top
AFTER PEAK							
				KEEL, Bar			
				STEM			
				STERN FRAME { Propeller Post Rudder " Cast Steel			
				RUDDER—A x D			
				Speed of Vessel 11 Knots			
				RUDDER mainpiece at head Cast steel 11 1/8. Strömmeus Verktsted.			
				" " heel 13 1/4.			
				" " bottom Arms keyed and shrunk on to Main piece. — Semi-balanced.			
				" double or single plate coupling, vertical or horizontal single 1-10 horizontal.			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open hearth.*
Plates and Profiles:- Witkowitz. Bergbau- und. Eisenhütten. Gewerkschaft. im. Witkowitz.
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.)

The following approved plans and certificates are forwarded herewith:-

Plans:-
Midship Section.
Profile & deck plan.
Sterpost Rudder & Casting in cruiser stern.
Frames in after peak.
Shaft brackets.
Motor seating.
Web on bulkhead fr. H.
Arrangement of manholes in longitudinal girders.
Wash bulkhead on frame No 156.
Steel cover for forecattle deck hatch.
Riveting table.
Position of lightening holes (3 plans).

Certificates:-
1. Stern frame.
1. Cruiser stern frame.
1. Shaft brackets.
1. Rudder mainpiece, arms and rudder head.
1. Interim certificate.

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

Head.
1st Bower 44:2:12, K.H., 8218, 11.7.30.
2nd " 43:3:26, M.B., 8668, 25.9.30.
3rd " 37:2:1, K.H., 8075, 13.6.30.

Shank.
17:2:25, K.H., 596, 13.6.30.
17:2:25, M.B., 628, 12.9.30.
14:2:5, M.B., 590, 13.5.30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 90.63 ft., R.Q.D. ✓ ft., Bridge 21.75 ft., Forecattle 49.88 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK (str.) Cruiser stern.

Official No. ; Signal Letters L.J.T.B. Is bottom of Vessel coated with cement yes if not give particulars of composition Fore and after peak tanks and fresh water tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	OIL.	Length.	Water Capacity.	Where Fitted.	OIL.	Length.	Water Capacity.
	Tons.	Feet.	Tons.		Tons.	Feet.	Tons.
Double bottom, aft,				Fore peak tank,	✓	22.63	116.5
Double bottom, under Engines and Boilers, ^{form part} _{after part.}	2 x 82	33.83	2 x 89	After peak tank,	✓	20.54	38
Double bottom, if under Engines only,	✓	26.58	55	Deep tank, aft, center.	272	25.67	✓
Double bottom, if under Boilers only, lub. oil.	2 x 8.2	4.83	✓	Deep tank, forward,	435	27.25	473
Double bottom, forward,	✓	✓	✓	Other tanks, ^{if fitted} _{Wing tanks aft.}	2 x 43.2	19.33	✓
	180.4	Total capacity of double bottom	233	(If necessary, furnish further information by sketch.)	793.4		627.5

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 32.

Date 10-12-1929.

Dates of Surveys held while building

1930. July 24-Aug. 1, 8, 12, 14, 21, 22, 27, 28. Sept. 2, 3, 9, 13, 16, 19, 23, 25. Oct. 2, 3, 4, 10, 16, 17, 21, 24, 28, 30, 31. Nov. 6, 7, 11, 18, 19, 24, 29. Dec. 2, 5, 11, 19, 30. - 1931. Jan. 5, 6, 8, 9, 10, 13, 15, 16, 17, 19, 20, 21, 22, 24. Feb. 12, 21, 26. March 3, 12, 26, 31. April 9, 15, 18.

Total No. of Visits 64