

Rpt. 1.

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office 27 JUN 1931

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

25-6-31.

Port of

Copenhagen.

No.

8551.

Survey held at

Nakskov.

Date First Survey

14-1-1930.

Last Survey

18-6-

1931.

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

Twin Screw Motor Ship "MILINAM."

dated 20-5-31

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

Complete Superstructure without Tonnage Openings.

State Type of Erections Bridge & Fiddle.

TONNAGE under Tonnage Deck... 2290.29

CLASS 100 A. I. (contemplated).

State if with freeboard as condition of Class *no.*

Built at Nakskov.

Launched 22-2-1931.

Yard No. 43.

Builders A/S Nakskov Skibsværft.

Owners A/S Det. Østasiatiske Kompagni.

Managers

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

Residence Holbergsgade 2, Copenhagen.

Port of Registry Copenhagen.

If surveyed while building, afloat, or in dry dock

While building.

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

Total 2290.29

Gross Tonnage 3113.04

Register Tonnage 1739.32

REGISTERED DIMENSIONS. FEET.

Length 330.2

Breadth 48.9

Depth 19.2

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 330'-0"

Breadth (greatest moulded) B 48'-9"

Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 29'-0"

1st Longitudinal Number (L x D) = 9735

2nd Numeral L x (B + D) = 25822

Framing Depth "d." at middle of length. See Sec. 3 (1d) 18.2

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.4

Do. Long Bridge to top of keel

Draught Moulded 18'-2 1/4"

FRAMES, DOUBLE BOTTOM AND BEAMS.

| | INCHES IN SHIP. 8 1/2 in. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. 8 1/2 in. | Any Departure from Approved Plans to be Noted. |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------|
| FRAMES, Spacing amidships | 27 1/2" | | Bracket Floors, Frame 5 | 200 75 9.5 | |
| " " from 3/4 length to Collision bulkhead | 27" | | " " Reversed Frame 5 | 200 75 9.5 | |
| " " in peaks | 24" | | " " Vertical Struts 5 | 200 75 9.5 | |
| SIDE FRAMING. | | | Centre Girder, depth and thickness amidships | 37 1/2 x 50" | |
| Frame Amidships, Angle, E or L | 230 90 12.5 | | " " top Angles double | 75 75 12 | |
| " " Extends up to | 2nd deck | | " " bottom Angles double | 100 100 14.5 | |
| Reversed Frame Amidships, Angle | ✓ | | Side Girders, No. each side and thickness | one 36" | |
| " " Extends up to | ✓ | | Margin Plate depth (excl. of flange) and thickness <i>here normal</i> | 39" x 4.5" | |
| Depth of Framing Girder | 150 x 90 x 11.5 with riv. bar | | " " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem | 90 90 9.5 | |
| Frames in Uppermost Continuous 'tween Decks, Angle, E or L | 75 x 75 x 8 at every 4' x 1/2 | | " " Vertical Angle to Tank side Bracket forward 1/2 len. from stem | 140 140 14 | |
| " " Second 'tween Decks, Angle, L or C | ✓ | | " " Gussets, spacing and scantling abaft 1/2 len. from stem | 90 90 11 ex. fr. | |
| " " Third " " " | ✓ | | " " Gussets, spacing and scantling forward 1/2 len. from stem | 140 140 11 ex. fr. | |
| Framing in Peaks, Angle or L | 150 75 10.5 | | Tank Side Brackets, height above base line at toe of Frame and thickness | 63" x 40" | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 7/8" - 6 1/4" | | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | <i>yes.</i> | | Breadth and thickness of Middle Line Strake | 48 1/2 x 47" | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars | Deep frames 250 x 90 x 13.5 Three stringers. | | Thickness of remainder in Holds | 40 | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | A, B, C strake 56 in. W ² hold. Bolt frames 140 x 140 x 12 single. Three int. cost. girders. | | Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & L. space and framing in Bunkers and Boiler Room? | <i>yes.</i> | |
| SINGLE BOTTOM. | | | BEAMS. | | |
| Floors, Depth and thickness at mid-line in Holds | ✓ | | Uppermost Continuous Deck, amidships in Wells, Angle, E or L | 150 75 12.5 | |
| Height of Brackets at side above base line at toe of frame | ✓ | | " " in way of Bridge, Angle, E or L | 150 75 12.5 | |
| Middle Line Keelson, on Floors, Angles, L or C | ✓ | | Spacing | ex. frame | |
| " " Through Plate or Intercoastal Plate | ✓ | | Second Deck, amidships, Angle, E or L | 200 75 9 | |
| " " Foundation Plate on Floors | ✓ | | Spacing | ex. frame | |
| " " Flat Plate Keel Angles | ✓ | | Third Deck, amidships, Angle, L or C | ✓ | |
| Side Keelsons, No. each side | ✓ | | Spacing | ✓ | |
| " " thickness of Intercoastal Plate | ✓ | | Fourth Deck, amidships, Angle, L or C | ✓ | |
| " " Angles | ✓ | | Spacing | ✓ | |
| DOUBLE BOTTOM. | | | Poop Deck, Angle, L or C | ✓ | |
| Solid Floors, thickness and spacing | 36" ex. 3rd gr. | | Spacing | ✓ | |
| " " Are Frame and Reversed Frame joggled? | <i>yes</i> | | Bridge Deck, Angle, E or L | 150 75 11 | |
| Bracket Floors, breadth and thickness at middle line | 42" x 36" | | Spacing | ex. frame | |
| " " breadth and thickness at margin plate | 76 1/2" x 36" | | Forecastle Deck, Angle, E or L | 150 x 75 x 9 & 165 x 75 x 9 | |
| | | | Spacing | ex. 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..... | Two. | ✓ | Stringer Plate, breadth and thickness in way of Bridge | 46" x .34" | ✓ |
| " in 'tween Decks, Size and Spacing..... | widely-spaced 10" x 40 To 6" x 36" | ✓ | Thickness of Plating abreast Deck openings in way of Wells | .30" | ✓ |
| " " " " " | ✓ | ✓ | Thickness of Plating abreast Deck openings in way of Bridge | .30" | ✓ |
| " in Holds " " | widely-spaced. 12" x 50 To 10" x 44" | ✓ | Thickness of Plating within line of openings... | .30" | ✓ |
| " " " " " | ✓ | ✓ | If Sheathed, material and thickness | 2 1/2" Oregon pine. | ✓ |
| Centre Line Bulkhead. | | | Third Deck. | | |
| Stiffeners and Spacing..... | ✓ | ✓ | Stringer Plate, breadth and thickness..... | ✓ | |
| Plating, thickness of | ✓ | ✓ | If Plated, state thickness..... | ✓ | |
| STRINGERS AND DECKS. | | | Fourth Deck. | | |
| Uppermost Continuous Deck. | | | Stringer Plate, breadth and thickness..... | ✓ | |
| Stringer Plate, breadth and thickness in Wells | 51" x 70" | ✓ | If Plated, state thickness | ✓ | |
| " " " in way of Bridge | 51" x 36" | ✓ | Poop Deck. | | |
| " " " at breaks | .75" | ✓ | Stringer Plate, breadth and thickness | ✓ | |
| " Angle in Wells | 130 130 125 | ✓ | Plating, Sheathing, material and thickness .. | ✓ | |
| Thickness of Plating abreast Deck openings in way of Wells | .34" | ✓ | Bridge Deck. | | |
| Thickness of Plating abreast Deck openings in way of Bridge | .30" | ✓ | Stringer Plate, breadth and thickness..... | 51" x .38" | ✓ |
| Thickness of Plating within line of openings... | .32 in way of wells. .30 " " bridge. | ✓ | Plating, Sheathing, material and thickness .. | .32" 2 1/2" teak. | ✓ |
| If Sheathed, material and thickness | 2 1/2" Teak. | ✓ | Forecastle Deck. | | |
| Second Deck. | | | Stringer Plate, breadth and thickness..... | 34" x .33" | ✓ |
| Stringer Plate, breadth and thickness in Wells... | 46" x 36" | ✓ | Plating, Sheathing, material and thickness .. | .26 2 1/2" teak. | ✓ |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | |
|---------------------------------------------|---------------|-------------|------------------------------|------------|------------------------------------------------------|----------------------------------------|---------|-----------------------|---------------------------|---------|-----------------------|----------------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. State if joggled? <i>no.</i> | | | 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. | Inches. | Inches. | Inches. | | | Inches. | Inches. | | Inches. | Inches. | |
| FLAT PLATE KEEL | 49½ | .63 | .58 | .59 | | <i>double.</i> | 7/8 | 7 pairs. | 3. | 7/8 | 3½ | <i>lapped.</i> |
| „ DBLG. (if any) | | | | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes4.. | | .51 | <i>A. 56 B, C, D. 46</i> | .51 | | <i>double.</i> | 7/8 | 7 pairs. | 3 | 7/8 | 3½ | <i>lapped.</i> |
| BILGE PLATING, No. of Strakes | | .51 | .44 | .51 | | " | 7/8 | 7 " | 3 | 7/8 | 3½ | " |
| SIDE PLATING, No. of Strakes | | .51 | .42 | .42 | | " | 7/8 | 7 " | 3 | 7/8 | 3½ | " |
| UPPER DECK, Sheer- strake in Wells..... | 27½ | .87 | .46 | .50 | | " | 7/8 | 7 " | 3 + 3 | 7/8 | 3½ | <i>double strapp.</i> |
| UPPER DECK, Sheer- strake in Bridge ... | 27½ | .87 | | | | " | 7/8 | 7 " | 3 + 3 | 1 | 4 | " " |
| STRAKE BELOW Sheer- strake in Wells..... | 40½ | | .58 | | | " | 7/8 | 7 " | 3 | 7/8 | 3½ | <i>lapped.</i> |
| STRAKE BELOW Sheer- strake in Bridge ... | 40½ | .402 .51 | .42 | .44 | | " | 7/8 | 7 " | 3. | 7/8 | 3½ | <i>lapped at ends.</i> |
| POOP SIDE PLATING | | | | | | | | | | | | |
| BRIDGE SIDE PLATING ... | | .51 | | | | <i>double.</i> | 7/8 | 7 pairs. | 3 | 7/8 | 3½ | <i>lapped.</i> |
| FOREC'TLE SIDE PLATING | | | .39 | | | <i>single.</i> | ¾ | 7 " | 1 | ¾ | 3 | " |

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) | 1. | | | | | |
| " Deck next below | 6. | | | | | |
| As per Rule | 5. | | | | | |

| | Plating Thickness. | STIFFENERS. | | | |
|------------------------------------|--------------------|-------------|----------|-------------|--------------------------------|
| | | VERTICAL. | | HORIZONTAL. | |
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKH'D, Upper tween decks | | | | | |
| " " Second " | | | | | |
| " " Third " | | | | | |
| " " Holds | 2 1/2 ~ 3 7/8 | 250 ~ 90 | 11 ~ 5 | 28 1/2 | ✓ |
| COLLISION " (in Hold) | 3 1/2 ~ 4 1/4 | 180 ~ 75 | 11 | 24 | Peak deck and Semi-box beam. |
| AFTER PEAK " " | 3 0 ~ 4 1/4 | 250 ~ 90 | 12 ~ 5 | 24 | Recess deck and Semi-box beam. |

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|------------------------------------|---------------------|---------------------------------------------------------|------------------------------------|------------------------------------------------|
| KEEL, Bar | | ✓ | | |
| STEM | Forging | 215 x 58 | Witkowitz Bergbau- und Eisenhütte. | |
| STERN FRAME | Propeller Post | Twim. Screw. | | |
| | Rudder | Cast Steel 8 x 3 1/2 | Stahlwerk Krieger. | |
| RUDDER—A x D | | | | |
| Speed of Vessel | | 14 knots | Ruhrstahl | |
| RUDDER mainpiece at head | Forged. | 7 3/4 | A.G. Henrichshütte | |
| " " heel | | 10 1/2 | | |
| " " bottom | | 7 | | |
| " how constructed | | Semi-balanced. 5 Arms keyed and shrunk on to mainpiece. | | |
| " double or single plate | | Single 100 | | |
| " 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)

Profiles: - Vereinigte Stahlwerke, Aktiengesellschaft Niederrheinische Hütte.
Hoerder Verein.

Has the Steel been tested as required by the Rules?

yes.

Open-Hearth-process

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.)

The following approved plans and certificates are forwarded herewith:—

Plans— Midship Section.
Profiles and decks.
Shell expansion.
Strengthening of shell plating in way of doors in ship sides.
Arrangement of sheerstrake with doublings.
Openings in shell.
Doors and windows in ship sides.
Sternpost & Rudder.
Framing in afterpeak.
Shaft brackets.
Alteration of girders and pillars.
Plan of main deck showing number & position of scuppers.
Motorseating.
Midship Section, as built.
Profiles and decks, " ".

Certificates— 1 of Sternframe and propeller brackets.
1 - built up rudder.
1 - Interim certificate.

| Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test. | Anchor Head. | | Anchor Shank. | |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|------------------------------|--|
| | 1st Bower | 31:1:13, K.H., 8074, 13.6.30. | 14:2:21, K.H., 598, 13.6.30. | |
| | 2nd „ | 30:3:7, K.H., 8073, 13.6.30. | 14:1:16, K.H., 579, 29.4.30. | |
| | 3rd „ | 28:0:19, K.H., 7886, 29.4.30. | 11:2:2, K.H., 608, 11.7.30. | |
| | | | | |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 100.84 ft., Forecastle 63.84 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 (stl.-Oregon pine-s.) & Shelter dk (stl.-Teak-s.)

Official No. ☒ ; Signal Letters N.J.L.F. Is bottom of Vessel coated with cement ☒ In Fore peak, After peak and W.B. double-bottom tanks if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | Oil fuel. Tons. | Length. Feet. | Water Capacity. Tons. | Where Fitted. | Oil fuel. Tons. | Length. Feet. | Water Capacity. Tons. |
|------------------------------------------------|--------------------|---------------------------------|--------------------------|--------------------------------------------------------|--------------------|------------------|--------------------------|
| | | | | | | | |
| Double bottom, aft, | 104 | 91.67 | 168.8 | Fore peak tank, | ✓ | 20.33 | 50.2 |
| Double bottom, under Engines and Boilers, | 182.2 | 59.58 | 187.6 | After peak tank, | ✓ | 21.0 | 84.25 |
| Double bottom, if under Engines only, Lub oil. | 15 | 9.16 | ✓ | Deep tank, aft, | ✓ | 20.63 | 534.0 |
| Double bottom, if under Boilers only, | ✓ | ✓ | ✓ | Deep tank, forward, Fr. 83-92. | ✓ | 25.21 | ✓ |
| Double bottom, forward, | 137 | 121.38 | 328.9 | Other tanks, if fitted, Deep tanks Fr. 72-83. | 127.5 x 2 | 25.21 | 668.45 |
| | 438.2 | Total capacity of double bottom | 685.3 | (If necessary, furnish further information by sketch.) | 255 | | |

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

Order for Special Survey No. 30.

Date 10-12-1929

Dates of Surveys held while building
1930. Jan. 14, March 20, April 16, May 21, July 3, 24, Aug. 1, 8, 12, 15, 21, 29, Sept. 8, 16, 23, Oct. 3, 10, 16, 21, 24, 28, 31
Nov. 7, 11, 18, 24, Dec. 2, 5, 11, 30.
1931. Jan. 6, 8, 10, 15, 19, 22, 24, Feb. 12, 13, 17, 18, 20, 21, 26, March 3, 12, 26, 31, April 9, 15, 28, May 7, 16, 20, 29
June 9, 16, 18.

Total No. of Visits 58