

STEEL STEAMER or MOTORSHIP.

Received at London Office 15 OCT 1930

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

11th October 1930

Port of

Copenhagen

No.

8362.

Survey held at

Odense

Date First Survey

13/12/29

Last Survey

30th Sept.

1930.

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

Steel single screw motor tanker.

AASE MÆRSK

machinery aft.

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

Tanker - Transverse framing, 2 longth Bkds.

State Type of Erections

P.B. & F.

TONNAGE under Tonnage Deck

5505.04

CLASS 100 A1

State if with freeboard (as condition of Class)

No.

Built at

Odense

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 406-7

Launched

25/6/30

Yard No. 41

Total

Breadth (greatest moulded)

B 54-6

Builders

Odense Staalskonstrukt

red A.P. Møller

Gross Tonnage

6184.41

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

D 32-3

Owners

4s Dampskibsselskab "Sundborg" and 4s of 1912 4s.

Register Tonnage

3635.92

1st Longitudinal Number (L x D) = 13112

Managers

A.P. Møller

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

2nd Numeral L x (B + D) = 35270

REGISTERED DIMENSIONS.

FEET.

Length

407.1

Breadth

54.7

Depth

30.4

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

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

10.65 TO TOP OF TRUNK

Do. Long Bridge to top of keel

Draught Moulded

25-7 1/2

Residence

Copenhagen

Port of Registry

Nyborg

If surveyed while building, afloat, or in dry dock

Whilst building.

FRAMES, DOUBLE BOTTOM AND BEAMS.

| | INCHES IN SHIP. 8 m/m. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|--|--|--|-----------------------------|--|
| FRAMES, Spacing amidships | 750 | | Bracket Floors, Frame | ✓ | |
| " " from 2/3 length to Collision bulkhead | 685 | | " " Reversed Frame | ✓ | |
| " " in peaks | 600 | | " " Vertical Struts | ✓ | |
| FRAME FRAMING. | | | Centre Girder, depth and thickness amidships | 1000 13-11.5 | |
| Bottom | | | " " top Angles | Double 100 100 14 | |
| Frame Amidships, Angle <i>E or [</i> | 280 90 13 | | " " bottom Angles | Double 100 100 14 | |
| " " Extends up to <i>FROM LONGth BHP TO LONGth AHP.</i> | | | Side Girders, No. each side and thickness | 10 12-5 | |
| Side | | | " " 10 11 | | |
| Reversed Frame Amidships, Angle <i>E</i> | 250 90 12.5 | | Margin Plate depth (excl. of flange) and thickness | ✓ | |
| " " Extends up to <i>FROM LONGth BHP TO UPPER Dk.</i> | | | " " Vertical Angle to Tank side | ✓ | |
| Depth of Framing Girder | ✓ | | " " Bracket abaft 1/4 len. from stem | ✓ | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [or [| ✓ | | " " Vertical Angle to Tank side | ✓ | |
| " " Second 'tween Decks, Angle, [or [| ✓ | | " " Bracket forward 1/4 len. from stem | ✓ | |
| " " Third " " " " | ✓ | | " " Gussets, spacing and scantling | ✓ | |
| Framing in Peaks, Angle or [| 200 90 11 | Intermediate for in fore peak | " " Gussets, spacing and scantling | ✓ | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 22 135 | 200.90.10 E | Tank Side Brackets, height above base line at toe of Frame and thickness | ✓ | |
| State if Frame Joggled | Yes. | | INNER BOTTOM PLATING. | | |
| PANTING ARRANGEMENTS (Sec. 7), state system and particulars | Side stringers and beams intermediate for in strengthening | | Breadth and thickness of Middle Line Strake | 1390 12-5 | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | Back bars on bottom frames 2 extra girders (p. 15) Bottom shell increased. | | Thickness of remainder in Hold <i>Motor Room.</i> | 12-5 | |
| SINGLE BOTTOM. | | | 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? | ✓ | |
| Floors, Depth and thickness at mid-line in Holds | ✓ | | BEAMS. | | |
| Height of Brackets at side above base line at toe of frame | ✓ | | Uppermost Continuous Deck, amidships | 180 90 10 | |
| Middle Line Keelson, on Floors, Angle, [or [| 230 90 12.5 | | " " in Wells, Angle, <i>E or [</i> | | |
| " " Through Plate on Intercoastal Plate | 1800 12-5 | | " " in way of Bridge, Angle, <i>E or [</i> | 230 90 11 | |
| " " Foundation Plate on Floors | ✓ | | Spacing | 750 | |
| " " Flat Plate Keel Angles | 150 150 12-5 | | Second Deck, amidships, Angle, [or [| 180 90 8.5 | |
| Side Keelsons, No. each side | One | | IN SIDE TANKS. | | |
| " " thickness of Intercoastal Plate | 1800 12-5 | | Spacing | 750 | |
| " " Angles <i>TOP. L SINGLE</i> | 280 90 13 | | Third Deck, amidships, Angle, [or [| 180 90 8.5 | |
| DOUBLE BOTTOM. IN Motor Room. | | | IN SIDE TANKS. | | |
| Solid Floors, thickness and spacing | 105 750 | | Spacing | 750 | |
| " " Are Frame and Reversed Frame joggled? | No. | | Fourth Deck, amidships, Angle, [or [| ✓ | |
| Bracket Floors, breadth and thickness at middle line | ✓ | | Spacing | ✓ | |
| " " breadth and thickness at margin plate | ✓ | | Poop Deck, Angle, [or [| 180 75 9 | |
| | | | Spacing | every frame | |
| | | | Bridge Deck, Angle, [or [| 200 90 13 | |
| | | | Spacing | every 2 nd frame | |
| | | | Forecastle Deck, Angle, [or [| 180 75 10.5 | |
| | | | 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.. | ✓ | | | |
| " " " " | | | | | If Sheathed, material and thickness | ✓ | | | |
| Centre Line Bulkhead | | | | | Third Deck. | | | | |
| Stiffeners and Spacing..... | L | 250 | 90 13 | every frame | Stringer Plate, breadth and thickness..... | ✓ | | | |
| Plating, thickness of | | 12.5 | to 9.5 | top stake 10 | If Plated, state thickness..... | ✓ | | | |
| STRINGERS AND DECKS. | | | | | Fourth Deck. | | | | |
| Uppermost Continuous Deck. | | | | | Stringer Plate, breadth and thickness..... | ✓ | | | |
| Stringer Plate, breadth and thickness in Wells | | 1967 | 18.5 | | If Plated, state thickness | ✓ | | | |
| " " " " in way of Bridge | | | 21 | | Poop Deck. | | | | |
| " Angle in Wells | | 150 | 150 18.5 | | Stringer Plate, breadth and thickness | | 1400 | 9 | |
| Thickness of Plating abreast Deck openings in way of Wells | | | 18.5 | | Plating, Sheathing, material and thickness ... | | 9 m. | 4.5 when sheathed with 65 m. Pine. | |
| Thickness of Plating abreast Deck openings in way of Bridge | | | 12 | | Bridge Deck. | | | | |
| Thickness of Plating within line of openings... TRUNK TOP | | 19 | 12 19. | | Stringer Plate, breadth and thickness..... | | 1030 | 9 | |
| If Sheathed, material and thickness | ✓ | | | | Plating, Sheathing, material and thickness ... | | 7.5 | 65 pine. | |
| STRINGER Second Deck IN SIDE TANKS | | | | | Forecastle Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells... | | 900 | 9.5 | | Stringer Plate, breadth and thickness..... | | 8.5 | | |
| | | | | | Plating, Sheathing, material and thickness ... | | 8.5 | | |

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. | | | | | | | | | |
| FLAT PLATE KEEL | 1800 | 21.5 | 14.5 | 14.5 | | double | 25 | 94 | 3+3 | 25 | 90 | Double Straps | |
| „ DBLG. (if any) | ✓ | | | | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes | 4 | 16 | 15 | 15 | | double | 22 | 83 | 4 | 22 | 90 | Lapped. | |
| BILGE PLATING, No. of Strakes | 1 | 16 | 15 | 16 | | Double | 22 | 83 | 4 | 22 | 90 | Lapped | |
| SIDE PLATING, No. of Strakes | 4 | 10 @ 15.5 | 15 | 11.5 | midship thickness to stem | Double | 22 | 83 | 4 | 22 | 90 | Lapped | |
| UPPER DECK, Sheer-strake in Wells | 1700 | 21.5 | 11.5 | 11.5 | | Double | 25 | 94 | 5 | 25 | 100 | Lapped | |
| UPPER DECK, Sheer-strake in Bridge ... | 1700 | 21.5 | ✓ | ✓ | 15 1/2 doubling at fore end of poop & ends of bridge | Double | 25 | 94 | 5 | 25 | 100 | Lapped | |
| STRAKE BELOW Sheer-strake in Wells | 1750 | 15.0 | 11.5 | 11.5 | | Double | 22 | 83 | 3 | 22 | 80 | Lapped | |
| STRAKE BELOW Sheer-strake in Bridge ... | 1750 | 15.0 | ✓ | ✓ | | Double | 22 | 83 | 3 | 22 | 80 | Lapped | |
| POOP SIDE PLATING | ✓ | ✓ | ✓ | 16.5 | | Double to single | 22 to 19 | 90 to 75 | 3 to 2 | 22 to 19 | 80 to 65 | Lapped | |
| BRIDGE SIDE PLATING ... | ✓ | 10.5 | ✓ | ✓ | | single | 19 | 75 | 2 | 19 | 65 | Lapped | |
| FOREC'TLE SIDE PLATING | ✓ | ✓ | 10.5 | ✓ | | single | 19 | 75 | one | 19 | 65 | Lapped | |

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 10

„ Deck next below ✓

As per Rule ✓

| | | Plating Thickness. | STIFFENERS. | | | |
|-------------------------|----------------------------|--------------------|-------------|-----------|-----------------|----------|
| | | | VERTICAL. | | HORIZONTAL. | |
| | | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKH'D, | Upper tween decks | | | | | |
| " | Second " | | | | | |
| " | Third " | 8.5/6 | 675/4 | 1800x11.5 | | |
| " | Holds | 12 | 280.90/12 | 725 side | 1000x10.5 | 3300 |
| " | " | 6.5 | 180.75/9.5 | 600 | in way of deck | |
| COLLISION ← | (in Hold) <i>as better</i> | 11.5 | 150.75/10 | 600 | above deck | Can |
| | | 7.5 | 2 | | Boiler platform | |
| AFTER PEAK | " | 11 | 200.75/11.5 | 610 | | |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|-------------------------------------|---------------------|-------------------------------------|-------------------------------|--|
| KEEL, Bar | ✓ | | | |
| STEM | Forging | 240 x 70 | | |
| STERN FRAME { | | | Messrs Witkowski Bengham + | |
| Propeller Post | | 280 | Eisenh. | |
| Rudder | | 475 | | |
| RUDDER—A x D | | 14.40 x 1.35 = 19.44 m ² | | |
| Speed of Vessel | | 11 Knots | | |
| RUDDER mainpiece at head ... | | 340 | Messrs Witkowski Bengham + | |
| " " heel ... | | 255 | Eisenh. Gew. | |
| " " how constructed | | single plate 29 1/2 | | |
| " " double or single plate | ✓ | horizontal | | |
| " " coupling, vertical or | | | | |
| " " horizontal | | | | |

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
Plates - Vereinigte Stahlwerke AG, Blech Walzwerk, Mülheim
Angles - Gutehoffnungshütte, Oberhausen, Rheinland - } open
Has the Steel been tested as required by the Rules? Yes.

| EQUIPMENT No. 37144 | | | | | | | | | | LETTER Z | | ANCHORS. | | | |
|------------------------|--------------------|--------------------|------|------|------------------|------|------|------------------------|-------|----------|------------------------------|------------------------|-----------------|---|-----------------------------|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | WEIGHT REQUIRED BY TABLE 53. | Description of Anchor. | Makers. | Where and when tested and Superintendent. | |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | | | | |
| 1462 | 1st Bower ... | 66 | 3 | 14 | ✓ | | | 52 | 2 | 2 | 0 | 63 3/4 | Union Stockless | Messrs | Dortmund 24/4/30 Karl Hauf. |
| 1463 | 2nd " ... | 66 | 3 | 12 | ✓ | | | 52 | 2 | 2 | 0 | — | ditto | Dortmunder | Dortmund 24/4/30 Karl Hauf. |
| 1464 | 3rd " ... | 56 | 0 | 3 | ✓ | | | 46 | 1 | 2 | 4 | — | ditto | Union of Dortmund | Dortmund 24/4/30 Karl Hauf. |
| | Collective weight. | 189 | 3 | 1 | | | | | | | | 183 | | | |
| 1465 | Stream | 18 | 2 | 20 | 4 | 3 | 4 | 19 | 13 | 0 | 14 | 17 1/2 | Ordinary Stock | ditto | Dortmund 24/4/30 Karl Hauf. |
| HAWSERS AND WARPS. | | | | | | | | | | | | | | | |

CHAIN CABLES.

| 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. | |
|---------------------------------|---------------------------|-------|-----------------------|-----------|------------------------|---------|-------------------------------|-------|--------------|---|--|-----------------------------|---------------------------|-------|------------------------------|-------------------------------|-------|
| | | | | | | | | | | | | | Length. | Ins. | | Length. | Ins. |
| 651 | 137 1/2 | 2 1/4 | 12 1/2 | 178 1/2 | 376-0-27 | | 270 | 2 1/4 | Cast Steel | So. J. Jager, Elmstedt, Dortmund 1/5/30 | J. Luast | TOWLINE... Special flexible | 120 | 4 1/2 | 59000 kps | 120 | 5 |
| 638 | 135 1/2 | 2 1/4 | 9 1/8 | 127 1/2 | 369-0-15 | | | | Mild Steel | Carl Schläpfer, Grane 9/4/30 | J. Luast | HAWSERS & WARPS | 2@90 | 2 3/4 | 15500 kps | 2@90 | 2 3/4 |
| | 272 1/2 | | | | 745-1-14 | 682 1/4 | | | | | | | 2@90 | 2 3/4 | 15500 kps | 2@90 | 2 3/4 |
| Iron Stream Chain or Steel Wire | 90 | 4 1/4 | | 53100 kps | Special flexible | | 90 | 4 1/4 | | | | | | | | | |

HAWSERS AND WARPS.

Steering Gear, Steam Electric - Thos B. Thrige
 Steering Gear, Hand Direct
 Boats 2 @ 22' x 4' 3" x 2' 9" motor
 Steering Chains, Size and Test ✓
 Windlass Steam
 Ceiling in Holds, thickness and material ✓
 Cargo Battens, thickness, material and spacing ✓
 Cargo Hatchways.-(Upper Deck) to fore hold - 4795 x 4500
 Thickness of Hatches Steel cover 12 1/2" m.
 Size of No. 1 Hatchways (Forward) to side tanks 3 @ 1900 x 1100 No. 2 1 @ 1400 x 1100 No. 3 1 @ 1400 x 1100 No. 4 8 @ 1500 x 1230 No. 5 No. 6
 Number of Shifting Beams and for Fore and Afters to fore hold hatch - 2.

ODENSE STAALSKIBSVARFT
 VED A. P. MØLLER

Builder's Signature

Johs. T. Møller

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. Yes (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo is a tanker. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built according to the approved plans, Secretary's letters and to the Rules of this Society -

The workmanship is to my satisfaction.

The vessel is intended to carry petroleum in bulk; the oil tanks, oil fuel and lubricating oil tanks, copperdams and peak tanks have been tested according to the Rules and found tight.

The vessel has intermediate frames for ice strengthening but notation not desired.

The amount of Entry Fee ... Kr. 182.00 : Fees applied for, 13.10 1930
 Special Survey Fee ... Kr. 9680.58 : Received by me, 27.10 1930
 Late fees 90.00
 Travelling Expenses, if any Kr. 1680.65 :
 Preboard Kr. 200.20
 State whether the Vessel has been built under Special Survey Yes.
 Signature J. G. Buchanan.
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 21 OCT 1930

Character assigned + 100A1
 Carrying Petroleum in Bulk

+ L. Mc. 9.30 C.L.
 Oil Eng. 2 D.B. 150 lb.

Write later.
 Cox.



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Lloyd's Register Foundation

002352-002361-0109212

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.)

Approved Plans — Midship Section.
Profile and Decks.
Shell Expansion.
Stringer & Panting Arrangt.
Sternframe and Rudder.
Aft. Peak Bulkheads.
Motor Seating.
Web frames in Motor Room.
Wash Bulkhead & Stringers in Deep Tank.
Cruiser Stern.

Certificates — 1. Sternframe
1. Rudder Quadrant.
1. Rudder Stock
1. Interim Certificate

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

1st Bower Head 43.2.3 : 92 : 428 : 29/3/30 : Shank 23.1.11 : 92 : 850 : 29/3/30
2nd " : 43.1.16 : 92 : 429 : 29/3/30 : " 23.1.24 : 92 : 851 : 29/3/30
3rd " : 36.1.14 : 92 : 430 : 29/3/30 : " 19.2.14 : 92 : 852 : 29/3/30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 95.8' ft., R.Q.D. ✓ ft., Bridge 36.8' ft., Forecastle 37.0' 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 (st)

Official No. ✓ ; Signal Letters N.J.B.F. Is bottom of Vessel coated with cement No. if not give particulars of composition Fore peak tank & after peak tank cement wash.

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | OIL Tons | *Length. Feet M. | Water Capacity. Tons. | Where Fitted. | OIL Tons | *Length. Feet M. | Water Capacity. Tons. |
|--|--------------------------------|---------------------|--------------------------|--|-------------|---------------------|--------------------------|
| Double bottom, aft, 12-21 | FUEL 35.7 | 6.600 | 21.7 | Fore peak tank, | — | 6.600 | 150.5 |
| Double bottom, under Engines and Boilers, LUB 29.2 | — | 3.750 | 12.8 | After peak tank, | — | 6.000 | 90.9 |
| Double bottom, if under Engines only, 28-48 | FUEL 151.8 | 10.500 | 34.5 | Deep tank, aft, | — | — | — |
| Double bottom, if under Boilers only, 216.7 | — | 20.850 | 34 | Deep tank, forward, | FUEL 608.4 | 10.705 | 708.8 |
| Double bottom, forward, | — | — | 63 | Other tanks, if fitted, | — | — | — |
| | 35.7 29.2 151.8 216.7 | | (18) | (If necessary, furnish further information by sketch.) | | | |

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

Order for Special Survey No. 41

Date

13 Aug. 1929.

Dates of Surveys held while building

1929. Dec. 13, 14 : 1930. JAN. 16, 21, 30 : FEB. 5, 11, 14, 20, 28 : MAR. 7, 15, 18, 24, 29.
APR. 2, 8, 9, 16, 24 : MAY 2, 3, 6, 7, 12, 13, 20, 22, 27, 28 : JUNE 2, 3, 7, 10, 12, 17, 20, 21, 23, 25.
JULY 1, 2, 9, 17, 25 : AUG. 2, 6, 16, 19, 26 : SEPT. 1, 5, 11, 17, 24, 30.

Total No. of Visits

56