

STEEL ~~STEAMER~~ MOTORSHIP.

26 MAR 1931

Received at London Office

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 *23rd March 1931*Port of *Newcastle-on-Tyne*No. *86948*Survey held at *Newcastle*Date First Survey *2nd June 1930*Last Survey *18th March 1931*he *(Machinery fitted Aft and Single Screw)**Single Screw MOTOR vessel**"AGNITA"*ate Type *(Full Scantling, Complete Superstructure)**Full Scantling*State Type of Erections *Corp: Buyer's*TONNAGE under *3056.57*CLASS *100 A.1. Carrying* State if with freeboard *No*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *305.5*Breadth (greatest moulded) *B 50.5*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 28.6*1st Longitudinal Number (L x D) *= 8410*2nd Numeral L x (B + D) *= 23650*Framing Depth "d," at middle of length. See Sec. 3 (1d) *-*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.7*Do. Long Bridge to top of keel *-*Draught Moulded *23-2*Built at *Hebburn on Tyne*Launched *20/11/30* Yard No. *578*Builders *R.W. Hawthorn Leslie & Co. Ltd*Owners *N.V. Petroleum Maatschappij La Croma*Managers *per Anglo-Saxon Petroleum Co.**(Where necessary to be entered in Reg. Book.)*Residence *The Hague*Port of Registry *S. Franckhagen*If surveyed while building, afloat, & in dry dock *Yes*

REGISTERED DIMENSIONS.

| | FT. | INCHES | METRES |
|---------|-------|--------|--------|
| Length | 305.4 | 93.090 | |
| Breadth | 50.2 | 15.300 | |
| Depth | 26.3 | 8.000 | |

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. |
|--|--|--|--|-------------------------------------|--|
| FRAMES, Spacing amidships | 24. 28. 29 | | Bracket Floors, Frame | | |
| " " from 1/2 length to Collision bulkhead | 27 | | " " Reversed Frame | | |
| " " in peaks | 24 | | " " Vertical Struts | | |
| DE FRAMING. | | | Centre Girder, depth and thickness amidships | 49 x 48 - 40 | |
| Frame Amidships, Angle <i>E or F</i> | 8 1/2 3 1/2 42 | | " " D. top Angles | 3. 3. 42 | |
| " " Extends up to | Upper Deck | | " " D. bottom Angles | 4. 4. 53 - 49 | |
| Web | | | Side Girders, No. each side and thickness | 2 full 62 x 40 | |
| Reversed Frame Amidships, Angle <i>to shell</i> | 5. 5. 46 | | <i>in Machinery, sheer only</i> | 1 half 150 | |
| " " Extends up to | 42 x 46 | | Margin Plate, depth (excl. of flange) and thickness | 36 x 44 (full) | |
| Depth of Framing Girders <i>Face Bar B.A.</i> | 8 3. 44. <i>N.B.S.</i> | | " " Vertical Angle to Tank side Bracket <i>about 1/2 len. from stem</i> | 6 1/2 6 1/2 42 T. bar | |
| Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i> | | | " " Vertical Angle to Tank side Bracket forward 1/2 len. from stem | | |
| " " Second 'tween Decks, Angle, <i>E or F</i> | | | " " Gussets, spacing and scantling abaft 1/2 len. from stem | | |
| " " Third " " " " | 7. 35. 38 A | | " " Gussets, spacing and scantling forward 1/2 len. from stem | | |
| Framing in Peaks, Angle <i>or F</i> | 7. 3. 38 F | | Tank Side Brackets, height above base line | 24" | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 10 6 x 7/8 @ 54 | | <i>in Machinery 5/8" at toe of Frame and thickness</i> | elsewhere as appl. | |
| State if Frame Joggled | <i>Yes</i> | | INNER BOTTOM PLATING. in Machinery 5/8" | | |
| PLATING ARRANGEMENTS (Sec. 7), state system and particulars | <i>last frame as approved</i> | | Breadth and thickness of Middle Line Strake | 68 1/2. 50 66 x 50 | |
| STRENGTHENING OF BOTTOM FORWARD. State Particulars | <i>6 x 6 frame bottoms</i> | | Thickness of remainder in <i>Holds Machinery 5/8"</i> | 45 to 100 as appl. 44 appl. | |
| | <i>Interst. Girders</i> | | 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? | <i>Yes</i> | |
| | <i>Midship shell thickness</i> | | BEAMS. | | |
| ANGLE BOTTOM. in Cargo Deck | | | Uppermost Continuous Deck, amidships | 12. 3 1/2. 3 1/2 40 [F] | |
| Floors, Depth and thickness at mid-line in Holds | 36 x 46 (50) | <i>and as appl. in fore deck.</i> | " " " way of Bridge, Angle, <i>E or F</i> | 6 1/2. 42 [N.B.S.] | |
| Height of Brackets at side above base line at toe of frame | 5-9" | | Spacing | 24" as appl. | |
| Middle Line Keelson, on Floors, Angles, <i>E or F</i> | C.L. Bhd | | Second Deck, amidships, Angle, <i>E or F</i> | 6 3 42 | |
| " " " Through Plate or Intercoastal Plate | 74 x 48 | | Spacing | 27 | |
| " " " Foundation Plate on Floors | ✓ | | Third Deck, amidships, Angle, <i>E or F</i> | | |
| " " " D Flat Plate Keel Angles | 4. 4. 53 | | Spacing | | |
| Side Keelsons, No. each side | 3 | | Fourth Deck, amidships, Angle, <i>E or F</i> | | |
| " " thickness of Intercoastal Plate | 40 & 50 | | Spacing | | |
| " " Angles | 20 10 3 2 Angles 20 2. D. 3 1/2. 3 1/2. 50 | | Poop Deck, Angle, <i>E or F</i> | 6 1/2. 3. 42 [N.B.S.] | |
| DOUBLE BOTTOM. aft only | | | Spacing | 24" 29" | |
| Side Floors, thickness and spacing | 40 & 44 @ 29 | | Bridge Deck, Angle, <i>E or F</i> | 9. 3. 40. 58 x 3. 3 x 40 [as appl.] | |
| " " Are Frame and Reversed Frame joggled? | <i>Yes</i> | | Spacing | 24" 638" | |
| Bracket Floors, breadth and thickness at middle line | | | Forecastle Deck, Angle, <i>E or F</i> | 9 x 3 x 42 6 | |
| " " breadth and thickness at margin plate | | | Spacing | 54 x 48 | |

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..... | 2 R. for transverse | | Stringer Plate, breadth and thickness in way of Bridge | | |
| " in 'tween Decks, Size and Spacing..... | Centre line | | Thickness of Plating abreast Deck openings in way of Wells | | |
| " " " " " " | Bulkhead | | Thickness of Plating abreast Deck openings in way of Bridge | | |
| " in Holds " " " " | | | Thickness of Plating within line of openings..... | 38 | |
| Centre Line Bulkhead. | | | If Sheathed, material and thickness | 20 | |
| ✓ Stiffeners and Spacing..... | 8 x 3 x 40 BA | | Third Deck. | | |
| Plating, thickness of | 8. 3. 39-37 25 @ 25-24 | | Stringer Plate, breadth and thickness..... | | |
| | intermediate as appd | | If Plated, state thickness..... | | |
| | 48-40 | | Fourth Deck. | | |
| STRINGERS AND DECKS. | | | Stringer Plate, breadth and thickness..... | | |
| Uppermost Continuous Deck. | | | If Plated, state thickness | | |
| Stringer Plate, breadth and thickness in Wells | 53 1/2 x 1.05 | appd 52 x 1.05 | Poop Deck. | | |
| " " " " in way of Bridge | 6. 40 x 1.05 | | Stringer Plate, breadth and thickness | 32 x 32 | |
| " Angle in Wells | 7. 7. 98 | | Plating, Sheathing, material and thickness | 28-30 x 2 1/2 R.P. | |
| Thickness of Plating abreast Deck openings in way of Wells | 59 x 90 | appd 55 x 94 | Bridge Deck. | | |
| Thickness of Plating abreast Deck openings in way of Bridge | 50-38 | | Stringer Plate, breadth and thickness..... | 51 x 36 | |
| Thickness of Plating within line of openings..... | 32 | | Plating, Sheathing, material and thickness | 30. 5 x 2 1/2 R.P. | |
| If Sheathed, material and thickness | not sheathed | | Forecastle Deck. | | |
| Second Deck. 17-126 only | | | Stringer Plate, breadth and thickness..... | 32 x 32 | |
| Stringer Plate, breadth and thickness in Wells..... | 38 | | Plating, Sheathing, material and thickness | 30-34. 2 1/2. R.P. | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | |
|---|---------------|------------|------------|------------|--|-------------------|-----------------|----------------------------|-----------|-------------------|-----------------------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. No | | BUTTS. | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | SINGLE OR DOUBLE. | RIVETS. | No. OF ROWS OF RIVETS. | RIVETS. | | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | | | Diam. | Spacing or to cr. | |
| FLAT PLATE KEEL | 64 | 74 | 60 | 60 | | 2 Rows | 7/8 34 5/8 | 4-3 R. | 1 1/8 | 4-3/8 | Lapped |
| " DECK (if any) | | ✓ | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes | | 54 | 44 | 54 | | 2 R | 7/8-3/4 34-3 | 3 R. | 7/8 | 3 1/8 | " |
| BILGE PLATING, No. of Strakes | | 54 | 44 | 54 | | " | " | " | 7/8-3/4 | 3 1/8-2 1/8 | " |
| SIDE PLATING, No. of Strakes | | 52 | 42 | 52 | | " | " | " | 7/8-3/4 | " | " |
| UPPER DECK, Sheer-strake in Wells..... | 60. | 96 | 42 | 42 | | " | 7/8-3/4 | 3 R 5/8 { 5 R 5/8 2 R. 5/8 | 1 1/8-3/4 | 4 1/2-2 1/8 | Strapped and lapped O.L. at ends. |
| UPPER DECK, Sheer-strake in Bridge ... | | 96+52 | - | - | | " | 7/8 | 3 R | 1 1/8 | 4 1/2 | D. Shear |
| STRAKE BELOW Sheer-strake in Wells..... | | 52 | 42 | 42 | | " | 7/8-3/4 3 1/2-3 | " | 7/8-3/4 | 3 1/8-2 1/8 | Lapped |
| STRAKE BELOW Sheer-strake in Bridge ... | | 52 | - | - | | " | 7/8 | 3 1/2 | 7/8 | 3 1/8 | " |
| POOP SIDE PLATING | | - | - | 35 | | 2-1 Row | 3/4 3 | 2 R | 3/4 | 2 1/8 | " |
| BRIDGE SIDE PLATING ... | | 38 | - | - | | 1 Row | 3/4 3 | 1 R. | " | 2 1/8 | " |
| FORECASTLE SIDE PLATING | | - | 38 | - | | " | 3/4 3. | 2 R. | " | 2 1/8 | " |

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 BULKHEAD, Upper tween decks | | | | | |
| " " Second " | | | | | |
| " " Third " | | | | | |
| " " Hold | | | | | |
| COLLISION (in Hold) | 26-48 | 10. 38. 40 | 30-6 | 20 x 28 | appd |
| AFTER PEAK | 26-42 | 6. 3. 32 L | 24 | 6. 3. 40 L | as approved |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Maker's Name. | Any departure from approved plans to be noted. |
|---|-----------------------------|-------------|------------------|--|
| KEEL, Bar | Flat plate | | | |
| STEM | Rolled 8 1/2 x 2 1/2 | | Lanarkshire | |
| STERN FRAME { Propeller Post | Forged, 9 1/2. 64 | | Darlington Forge | |
| { Rudder | Steel, 8 1/2. 64 | | | |
| RUDDER-A x D | Forged | | do | |
| Speed of Vessel | | 11 1/4 K | | |
| RUDDER mainpiece at head ... | | 7 1/6 | | |
| " " heel ... | | 8 3/4 | | as per plans |
| " how constructed | Jutur Patent Bolts and nuts | | | |
| " double or single plate coupling, vertical or horizontal | Double below, single above | | | |
| | Horizontal | | | |

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
Dorman Long, Anglo Silesia, Consett, Framingham, South Durham, Appleby and
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 26

LETTER 24910

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. | Cwts. | qrs. | | | |
| 33238 | 1st Bower | 45 | 1 | — | Stockless | | | 39 | 8 | 0 | 14 | 45 | 0 | Byer Improved | ✓ | S. 28/7/30: JHB. |
| 33233 | 2nd " | 45 | 0 | 21 | " | | | 39 | 8 | 0 | 14 | | | Stockless | ✓ | S. 25.7.30. JHB |
| 33215 | 3rd " | 41 | 3 | 21 | " | | | 39 | 2 | 2 | 0 | (see letter) | | " | ✓ | S. 17.7.30 JHB |
| | Collector weight. | 132 | 1 | 14 | | | | | | | | 128 | 0 | | | |
| 45641 | Stream | 12 | 2 | 8 | 3 | 1 | 6 | 14 | 8 | 1 | 21 | 12 | 0 | Ordinary | ✓ | C.H. 13.8.30. Paul. |

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. | |
|-----------------------------------|---------------------------|-------|-----------------------|-------------|------------------------|-----------|-------------------------------|-------|--------------|-------------------|--|-----------------|---------------------------|-------|------------------------------|-------------------------------|-------|
| | Length. | Diam. | Status. | Break- ing. | Supplied. | Per Rule. | Length. | Diam. | | | | | Length. | Cir. | | Length. | Cir. |
| 44919 | 270 | 1 1/2 | 67 1/2 | 94 1/2 | 511. 1. 14 | 511. 3. 0 | 270 | 1 1/2 | Slid | Westwood & W. | C.H. 12/8/30. Paul | TOWLINE... | 100 | 4 | 33 | 100 | 4 |
| from Stream (Chain or Steel Wire) | 90 | 2 1/2 | 1 | 357 | Steel wire rope | | 90 | 2 1/2 | | ✓ | Wine | HAWSERS & WARPS | 2.90 | 2 1/2 | 12 1/2 | 2.90 | 2 1/2 |
| | | | | | | | | | | | | | 2.90 | 2 1/2 | 9 1/2 | 2.90 | 2 1/2 |
| | | | | | | | | | | | | | | | | | |

Steering Gear, Steam *Hasties Wilson Purie 2 1/2 x 8* Steering Gear, Hand *Jackle rovers led to launch*Boats *2-30' : 1 @ 18'* Steering Chains, Size and Test *none* Windlass *Emerson Walker, 9 1/2 x 11*Ceiling in Holds, thickness and material *none* Cargo Battens, thickness, material and spacing *none*Cargo Hatchways.—(Upper Deck) *12 @ 3' x 2' to 2' 6" x 2' : 9" B.A. Coaming Thickness of Hatches* *50. Steel O.T. cover*Size of No. 1 Hatchway (Forward) ☒ No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒Number of Shifting Beams and/or Fore and Afters *none*

FOR R. & W. HAWTHORN, LESLIE & CO. LIMITED.

Builder's Signature

W. T. G. Min

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans, the Committee's instructions & the Society's Rules for vessels carrying Petroleum in Bulk. The workmanship & materials are good. All oil faced tanks, cofferdams, bunkers, peaks, deep & double bottom tanks have been tested as per rule requirements & found satisfactory. The requirements of Section 20 of the rules for the carriage of oil fuel having a flash point above 150° have been complied with where applicable. The freeboard of 1.680 metres assigned by the Dutch Authorities (Commissie tot Vaarblijking van de minimum uitwatering) has been marked on the vessels sides & cut in. The weather decks & W.T. bulkheads above the flats have been here tested & found satisfactory. The Draught marks have been verified.

checked
W.T.
30.3.31

The amount of Entry Fee £ 7 : 0 : 0
 Freeboard 9 0 0
 Special Survey Fee.... £ 379 : 11 : 6
 Travelling Expenses, if any £ : : :
 Fees applied for, 25 MAR 1931
 Received by me, 28.3.31

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

Carrying petroleum in Bulk and
 fitted with cylindrical tanks for
 carriage of sulphuric acid

State whether the Vessel has been built under Special Survey *Yes*

Signature

J. W. W. W.

Surveyor to Lloyd's Register of Shipping.

Hull IN DUPLICATE

Certificate to be sent to *Newcastle*

Date of issue

8/4/31

Committee's Minute

WED. 8 APR 1931

FRI. 18 MAY 1931

Character assigned

+100A1

Carryng Petrol. in Bulk
 Fitted with cylindrical tanks for
 the carriage of Sulphuric Acid

+ L.M.C. 3.31
 Oil Eng. C.L. 200.150lb.

Write after

Lloyd's Register

W. T. G. Min

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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 approved plans 39 in number together with the foregoing reports and ship Section as built, are attached hereto.

Rpt. 4b.

Date of writing

No. in Su
Reg. Book.

Built at

2c.11.30.

Received by CH

VESSEL'S

The remarks

Type of

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

| | | | | |
|-----------|---------|------|-------|------------------------------|
| 1st Bower | 26.0.27 | K.H. | 8240. | 11.7.30 (Inet. / un 28.3.7.) |
| 2nd " | 26.0.25 | K.H. | 8256. | 11.7.30. (" - 28.3.21) |
| 3rd " | 23.1.13 | A.B. | 2954. | 23.5.30. (" - 26.0.0) |

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 92-0 $\frac{1}{2}$ ft., R.Q.D. ✓ ft., Bridge 26-8 ft., Forecastle 36-8 $\frac{1}{2}$ ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Not connected*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *one deck steel.*

Official No. 502-Z-S. Hage : Signal Letters N.B.S.W.
1931

particulars of composition.

Is bottom of Vessel coated with cement *Full cement in peaks* if not given

*Feed water in C.D. full cement : Oil fuel or W.B. in C.D.B. cement pellets.
Cargo oil tanks nil*

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capacity. Tons. |
|--|-------------------|--------------------------|--|--------------------|--------------------------|
| Double bottom, aft, | ✓ | ✓ | Fore peak tank, | 18-5 $\frac{1}{2}$ | 95.1 |
| Double bottom, under Engines and Boilers, FEED-WATER | 29-0 | 39.6 | After peak tank, | 14-0 | 21 $\frac{1}{2}$ |
| Double bottom, under Engines only, OIL-FUEL | 24-2 | 82.0 | Deep tank, aft, | ✓ | ✓ |
| Double bottom, if under Boilers only, | | | Deep tank, forward, <i>oil fuel or W.B.</i> | 20-3 | 122 $\frac{1}{2}$ |
| Double bottom, forward, | | | Other tanks, if fitted, | ✓ | ✓ |
| | | | (If necessary, furnish further information by sketch.) | | |
| | | | | | 239. |

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

Order for Special Survey No. 5428

Date 22.7.30

Dates of Surveys
held while building

1930 June 2.5.13.16 July 3.7.10.14.15.16.23.24.25.28.31 Aug. 7.11.13.21.25.26.28. Sep. 2.3.4.5
6.9.11.12.15.16.22.24.25.26.30. Oct. 1.3.6.7.8.9.10.13.14.15.16.17.20. 21.22.23.24.27.28.29.31. Nov.
3.4.5.6.7.10.11.12.13.14.17.18.19.20.24. Dec. 1.2.3.4.8.9.11.16.18.19.22.29. 1931 Jan. 5.6.7.8.9.13.14.16.19.21.27
Feb. 2.3.5.6.9.10.11.12.13.16.17.18.19.20.25. Mar. 4.11.12.13.16.17.18

LR-FAF-1813-86 2/2



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