

## STEEL STEAMER or MOTORSHIP.

Received at London Office

24 NOV 1941

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

21.11.41

Port of

*Belfast*

No. 13.111

Survey held at

*Belfast*

Date First Survey

15<sup>th</sup> Jan. 1940

Last Survey

12 Nov.

1941

On the

(State if Machinery fitted Aft and  
if Single, Twin or Triple Screw)*Single Screw Motor Tanker**EMPIRE DIAMOND (machinery aft)*

State Type

(Full Scantling, Complete Superstructure  
with or without Tonnage Openings)*Full Scantling*State Type of Erections *Prop, Br, Side*TONNAGE under  
Tonnage Deck...*7250.97*CLASS *+100A-1 carrying* State if with freeboard  
*Petroleum in bulk - Long framing* (is condition of Class)*No*

Built at

*Belfast*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 460*Launched *10<sup>th</sup> July 1941*Yard No. *1053*

Total

*7250.97*

Breadth (greatest moulded)

*B 59*Builders *Harland and Wolff Ltd.*

Gross Tonnage

*8235.60*Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c)*D 34*Owners *Ministry of War Transport*

Register Tonnage

*4793.93*1st Longitudinal Number (L × D) = *15640*Managers *British Tanker Co. Ltd.*

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

2nd Numeral L × (B + D) = *42780*

Residence

REGISTERED DIMENSIONS.  
FEET.

Length

*465.6*Framing Depth "d," at middle of length. See  
Sec. 3 (1d)*✓*Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel*13.52*Port of Registry *Belfast*

Breadth

*59.5*Do. Long Bridge to top  
of keel

If surveyed while building, afloat, or in dry dock

Depth

*34.0*

Draught Moulded

*27-4/4**Building and afloat.*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

|   | INCHES IN SHIP.         | Any Departure from<br>Approved Plans to<br>be Noted. |   | INCHES IN SHIP.                | Any Departure from<br>Approved Plans to<br>be Noted. |
|---|-------------------------|--|---|--------------------------------|--|
| <b>FRAMES, Spacing amidships</b>  | <i>31 1/2</i>           | <i>✓</i>   | <b>Bracket Floors, Frame</b>  | <i>✓</i>                       |  |
| " " <i>for cargo tanks</i>  | <i>27</i>               | <i>✓</i>   | " " Reversed Frame  | <i>✓</i>                       |  |
| " " <i>from 1/2 length amidships to</i><br>Collision bulkhead   | <i>24</i>               | <i>✓</i>   | " " Vertical Struts   | <i>✓</i>                       | <i>see plan</i>                                      |
| " " in peaks  |                         |  | <b>Centre Girder, depth and thickness amidships</b>   | <i>60" 57 1/2 46</i>           |  |
| <b>SIDE FRAMING.</b>  |                         |  | " " top Angles  | <i>4 4 9/16</i>                | <i>✓</i>   |
| Frame Amidships, Angle <i>E or [</i>  | <i>10 3 1/2 7/16</i>    | <i>✓</i>   | " " bottom Angles   | <i>4 4 9/16</i>                | <i>✓</i>   |
| " " <i>for tanks</i>  | <i>12 3 1/2 45</i>      | <i>✓</i>   | <b>Side Girders, No. each side and thickness</b>  | <i>2 8 60</i><br><i>1 8 42</i> | <i>✓</i>   |
| " " Extends up to   | <i>upper deck</i>       | <i>✓</i>   | <b>Margin Plate</b> depth (excl. of flange) and<br>thickness <i>tank top draught</i>  | <i>5.4</i>                     | <i>✓</i>   |
| Reversed Frame Amidships, Angle   | <i>✓</i>                |  | " " Vertical Angle to Tank side   | <i>6 6 50</i>                  | <i>✓</i>   |
| " " Extends up to   | <i>✓</i>                |  | " " Bracket abaft 1/2 len. from<br>stem   | <i>✓</i>                       |  |
| Depth of Framing Girder   | <i>10" + 12"</i>        |  | " " Vertical Angle to Tank side   | <i>✓</i>                       |  |
| Frames in Uppermost Continuous 'tween   | <i>✓</i>                |  | " " Bracket from forward 1/2 len.<br>from stem to Panting Area  | <i>✓</i>                       |  |
| Decks, Angle, <i>[</i> or <i>[</i>  | <i>✓</i>                |  | " " Gussets, spacing and scantling<br>abaft 1/2 len. from stem  | <i>✓</i>                       |  |
| " " Second 'tween Decks, Angle, <i>[</i> or <i>[</i>  | <i>✓</i>                |  | " " Gussets, spacing and scantling<br>from forward 1/2 len. from stem<br>to Panting Area  | <i>✓</i>                       |  |
| " " Third   | <i>✓</i>                |  | <b>Tank Side Brackets, height above base line<br/>at toe of Frame and thickness</b>   | <i>46, 32"</i>                 |  |
| " " <i>for cargo tanks to coll. BH</i>  | <i>12 3 1/2 45</i>      | <i>✓</i>   | <b>INNER BOTTOM PLATING.</b>  |                                |  |
| " " <i>from 1/2 len. for d. to 1/2 len. from</i><br>Stem  | <i>8 3 1/2 7/16</i>     | <i>✓</i>   | Breadth and thickness of Middle Line Strake   | <i>1 1/8</i>                   | <i>✓</i>   |
| " " <i>in Peaks, Angle or [</i>   | <i>8 3 1/2 7/16</i>     | <i>✓</i>   | <i>tank top in way of motor</i>   | <i>5.2</i>                     | <i>✓</i>   |
| Diameter and Spacing of Rivets through<br>Frame and Shell Plating amid-<br>ships  | <i>7/8 C 4 7/8</i>      | <i>✓</i>   | Thickness of remainder in Holds   | <i>5.2</i>                     | <i>✓</i>   |
| State if Frame Joggled  | <i>Yes</i>              | <i>✓</i>   | Are Rule requirements complied with regarding<br>increases of scantlings in way of double<br>bottom in E. & D. space and framing in<br>Bankers and Boiler Room? | <i>as app</i>                  | <i>✓</i>   |
| Are the scantlings and arrangements in the<br>Panting Area in accordance with the Rules<br>and/or as approved?          | <i>as app</i>           | <i>✓</i>   | <b>BEAMS.</b>   |                                |  |
| Are the scantlings and arrangements in way<br>of the Bottom Forward in accordance with<br>the Rules and/or as approved? | <i>as app</i>           | <i>✓</i>   | <b>Uppermost Continuous Deck, amidships</b>   | <i>8 3 1/2 7/16</i>            | <i>✓</i>   |
| <b>SINGLE BOTTOM.</b>   |                         |  | <i>in way of poop</i>   | <i>8 3 1/2 7/16</i>            | <i>✓</i>   |
| Floors, Depth and thickness at mid-line in<br>Holds   |                         |  | " " <i>in Wells, Angle, E or [</i>  | <i>8 3 1/2 7/16</i>            | <i>✓</i>   |
| Height of Brackets at side above<br>base line at toe of frame   |                         |  | " " <i>in way of Bridge, Angle, E or [</i>  | <i>8 3 1/2 7/16</i>            | <i>✓</i>   |
| Middle Line Keelson, on Floors, Angles,<br>[ or [   | <i>See</i>              | <i>✓</i>   | Spacing   | <i>every</i>                   | <i>✓</i>   |
| " " Through Plate or<br>Intercoastal Plate  | <i>Long framing</i>     | <i>✓</i>   | <b>Second Deck, amidships, Angle, E or [</b>  | <i>8 3 1/2 437</i>             | <i>✓</i>   |
| " " Foundation Plate on<br>Floors   | <i>plan</i>             | <i>✓</i>   | Spacing   | <i>9 3 1/2 437</i>             | <i>✓</i>   |
| " " Flat Plate Keel Angles  |                         |  | <i>deep tank top</i>  | <i>every</i>                   | <i>✓</i>   |
| Side Keelsons, No. each side  |                         |  | <b>Third Deck, amidships, Angle, E or [</b>   | <i>8 3 1/2 7/16</i>            | <i>✓</i>   |
| " " thickness of Intercoastal Plate   |                         |  | Spacing   | <i>every</i>                   | <i>✓</i>   |
| " " Angles  |                         |  | <b>Fourth Deck, amidships, Angle, [ or [</b>  | <i>✓</i>                       |  |
| Spacing   |                         |  | Spacing   | <i>✓</i>                       |  |
| <b>DOUBLE BOTTOM. in motor space</b>  |                         |  | <b>Poop Deck, Angle, E or [</b>   | <i>8 3 1/2 35</i>              | <i>✓</i>   |
| Solid Floors, thickness and spacing   | <i>46 3 1/4, 30 3/4</i> | <i>✓</i>   | Spacing   | <i>every</i>                   | <i>✓</i>   |
| " " Are Frame and Reversed Frame<br>joggled?  | <i>Yes</i>              | <i>✓</i>   | <b>Bridge Deck, Angle, E or [</b>   | <i>8 3 1/2 437</i>             | <i>✓</i>   |
| Bracket Floors, breadth and thickness at<br>middle line   | <i>✓</i>                |  | Spacing   | <i>every</i>                   | <i>✓</i>   |
| " " breadth and thickness at<br>margin plate  | <i>✓</i>                |  | <b>Forecastle Deck, Angle, E or [</b>   | <i>10 3 1/2 7/16</i>           | <i>✓</i>   |
|   |                         |  | Spacing   | <i>9 3 1/2 7/16</i>            | <i>✓</i>   |
|   |                         |  |   | <i>every</i>                   | <i>✓</i>   |



# 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>                            |                  |  | Stringer Plate, breadth and thickness in way of Bridge <i>forward</i>      | 36               | ✓  |
| „ in 'tween Decks, Size and Spacing.....                    | <i>Two</i>       |  | Thickness of Plating abreast Deck openings in way of Wells <i>app.</i>     | 36               | ✓  |
| „ „ „ „ „   | <i>long - al</i> |  | Thickness of Plating abreast Deck openings in way of Bridge <i>forward</i> | 34               | ✓  |
| „ in Holds „ „  | <i>Bulkheads</i> |  | Thickness of Plating within line of openings...                            | ✓                |  |
| „ <i>Long</i> „ „ „   |                  |  | If Sheathed, material and thickness  | ✓                |  |
| <b>Centre Line Bulkhead. 11 1/4 P/S</b>                     |                  |  | <b>Third Deck. deep tank top</b>   |                  |  |
| Stiffeners and Spacing.....                                 | 10 3 1/2 7/16    | ✓  | Stringer Plate, breadth and thickness.....                                 | 42               | ✓  |
| 2 hor. girders 30' x 42, 26' x 40                           | 3 1/2            | ✓  | If Plated, state thickness.....  | 38               | ✓  |
| Plating, thickness of                                       | 42 Vert          | ✓  | <b>Fourth Deck.</b>  |                  |  |
| <b>STRINGERS AND DECKS.</b>                                 |                  |  | Stringer Plate, breadth and thickness.....                                 | ✓                |  |
| <b>Uppermost Continuous Deck.</b>                           |                  |  | If Plated, state thickness   |                  |  |
| Stringer Plate, breadth and thickness in Wells              | 97' x 87, 80     | ✓  | <b>Poop Deck.</b>  |                  |  |
| „ „ „ „ in way of Bridge                                    | 97' x 87         | ✓  | Stringer Plate, breadth and thickness                                      | 34               | ✓  |
| „ Angle in Wells  | 6 6 7/8          | ✓  | Plating, Sheathing, material and thickness                                 | 26 deep tank top | ✓  |
| Thickness of Plating abreast Deck openings in way of Wells  | 76               | ✓  | <b>Bridge Deck.</b>  |                  |  |
| Thickness of Plating abreast Deck openings in way of Bridge | ✓                | ✓  | Stringer Plate, breadth and thickness.....                                 | 43               | ✓  |
| Thickness of Plating within line of openings...             | 58               | ✓  | Plating, Sheathing, material and thickness                                 | 34               | ✓  |
| If Sheathed, material and thickness                         | no               | ✓  | <b>Forecastle Deck.</b>  |                  |  |
| <b>Second Deck.</b>   |                  |  | Stringer Plate, breadth and thickness.....                                 | 37               | ✓  |
| Stringer Plate, breadth and thickness in Wells...           | 40               | ✓  | Plating, Sheathing, material and thickness                                 | 36               | ✓  |

## SHELL PLATING.

| SCANTLINGS.                             |               |            |            |            |  | RIVETING.                   |         |                       |                           |         |                       |                        |  |
|---|---------------|------------|------------|------------|--|-----------------------------|---------|-----------------------|---------------------------|---------|-----------------------|------------------------|--|
| STRAKES.                                | AS IN VESSEL. |            |            |            | ANY DEPARTURE FROM<br>APPROVED PLANS<br>TO BE NOTED. | EDGES.<br>State if joggled? |         |                       | BUTTS.                    |         |                       |                        |  |
|   | AMIDSHIPS.    |            | FORWARD.   | AFT.       |  | SINGLE OR<br>DOUBLE.        | RIVETS. |                       | NO. OF ROWS<br>OF RIVETS. | RIVETS. |                       | STRAPPED OR<br>LAPPED. |  |
|   | Breadth.      | Thickness. | Thickness. | Thickness. |  |                             | Diam.   | Spacing<br>cr. to cr. |                           | Diam.   | Spacing<br>cr. to cr. |                        |  |
|   | Inches.       | Inches.    | Inches.    | Inches.    |  |                             | Inches. | Inches.               |                           | Inches. | Inches.               |                        |  |
| FLAT PLATE KEEL .....                   | 57            | 96         | 78         | 78         |  | double                      | 1"      | 4                     | five                      | 1 1/8   | 4 1/2                 | lapped                 |  |
| „ DBLG. (if any)                        |               |            |            |            |  |                             |         |                       |                           |         |                       |                        |  |
| BOTTOM PLATING, No. of Strakes .....    |               | 67, 64     | 74, 50     | 50, 55     |  | double                      | 7/8     | 3 1/2                 | four                      | 7/8     | 3 1/2                 | lapped                 |  |
| BILGE PLATING, No. of Strakes .....     |               | 64         | 50         | 50         |  | double                      | 7/8     | 3 1/2                 | four                      | 7/8     | 3 1/2                 | lapped                 |  |
| SIDE PLATING, No. of Strakes .....      |               | 64         | 50         | 50         |  | double                      | 7/8     | 3 1/2                 | four                      | 7/8     | 3 1/2                 | lapped                 |  |
| UPPER DECK, Sheer-strake in Wells.....  | 55            | 99         | 50         | 50         |  | -                           | -       | -                     | five                      | 1 1/8   | 5                     | lapped                 |  |
| UPPER DECK, Sheer-strake in Bridge ...  | 55            | 99         | 50         | 50         |  | -                           | -       | -                     | five                      | 1 1/8   | 5                     | lapped                 |  |
| STRAKE BELOW Sheer-strake in Wells..... | 83            | 76         | 50         | 50         |  | double                      | 1       | 4                     | four                      | 1       | 4                     | lapped                 |  |
| STRAKE BELOW Sheer-strake in Bridge ... | 83            | 76         | 50         | 50         |  | double                      | 1       | 4                     | four                      | 1       | 4                     | lapped                 |  |
| POOP SIDE PLATING .....                 |               |            |            | 40         |  | one strake                  | -       | -                     | two                       | 3/4     | 2 5/8                 | lapped                 |  |
| BRIDGE SIDE PLATING ...                 |               | 43         |            |            |  | one strake                  | -       | -                     | two                       | 3/4     | 2 5/8                 | lapped                 |  |
| FOREC'TLE SIDE PLATING                  |               |            | 43         |            |  | single                      | 3/4     | 3                     | one                       | 3/4     | 2 5/8                 | lapped                 |  |

## WATERTIGHT BULKHEADS.

|   |      |
|---|------|
| <b>Total No. of W.T. BULKHEADS in Vessel—</b> |      |
| Extending to Upper Deck (Sec. 3 c)            | 17 ✓ |
| „ Deck next below                             | ✓    |
| As per Rule <i>ordinary cargo</i>             | 7    |

## FORGINGS and CASTINGS.

|                                     | Casting or Forging. | Scantlings.          | Maker's Name.             | Any Departure from Approved Plans to be Noted. |
|-------------------------------------|---------------------|----------------------|---------------------------|--|
| <b>KEEL, Bar</b> <i>flat Reel</i>   | ✓                   |                      |                           |  |
| <b>STEM</b> <i>rolled</i>           |                     | 10 1/4 x 2 3/4       |                           |  |
| <b>STERN FRAME</b> { Propeller Post | Cast                | as                   | The Steel Co. of Scotland |  |
| { Rudder „                          | steel               | app                  | Scotland                  | ✓  |
| <b>Speed of Vessel</b> .....        |                     |                      |                           |  |
| <b>RUDDER—Type</b> .....            |                     |                      |                           |  |
| „ A x D                             | Simplex type        | Castings from        |                           |  |
| „ Diam. of head                     | rudder, double      | Steel of Scotland    |                           |  |
| „ Mainpiece at top pintle           | plate built         | forging from         |                           |  |
| „ „ heel                            | Cast steel frame    | Darlington Forge Co. |                           |  |
| „ how constructed                   | forged stock        |                      |                           |  |
| „ double or single plate            | semi balanced       |                      |                           |  |
| „ coupling, vertical or horizontal  | as app. dia         |                      |                           |  |

|  | Plating Thickness. | STIFFENERS.          |          |                     |          |
|--|--------------------|----------------------|----------|---------------------|----------|
|  |                    | VERTICAL.            |          | HORIZONTAL.         |          |
|  |                    | Scantlings.          | Spacing. | Scantlings.         | Spacing. |
| <b>MIDSHIP BULKH'D,</b> <i>Centre tank</i> | 51                 | 10 x 3 1/2 x 7/16 Ba | 33       | 9 x 3 1/2 x 4378 a  | ✓        |
| „ „ <i>Upper 'tween decks</i>              | 41                 |                      |          | Lower 33 x 40       | ✓        |
| „ „ <i>Second</i>                          | 41                 |                      |          | 12 x 3 1/2 x 458 a  | ✓        |
| „ „ <i>Third</i>                           | 50                 |                      |          | Upper 33 x 40       | ✓        |
| „ „ <i>Holds</i>                           | 40                 | 10 x 3 1/2 x 7/16 Ba | 30       | 3 1/2 x 3 1/2 x 437 | ✓        |
| <b>COLLISION</b> „ (in Hold)               | 53-34              | 9 x 3 1/2 x 7/16 Ba  | 24       | 4 x 2 semi bar beam | ✓        |
| <b>AFTER PEAK</b> „ „                      | 50-30              | 9 x 3 1/2 x 7/16 Ba  | 24       | bolster feet        | ✓        |

|               |  |                         |
|---------------|--|-------------------------|
| <b>STEEL.</b> | Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) | <i>open heart</i> S. M. |
|               | <i>Colville, Steel Co. of Scotland, Lanarkshire.</i>   |                         |
|               | Has the Steel been tested as required by the Rules?  | <i>Yes</i>              |

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## EMPIRE DIAMOND H/W N°1053 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.<br>Inches. | Rivets in Brackets to Bulkheads. |                      |
|   |  | Ins.                              | Ins. | Ins. | Ins.   | Ins. | Ins. |  | Diam.<br>Ins.                  | Speng.<br>Ins. |   | Number.                          | Diameter.<br>Inches. |
| Framing of L, L or C .....  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Frames in Bridge 'tween Decks ...                                       |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Reel<br>Frames from Uppermost Continuous Deck Int. Centre Girders No. 1 |  | Plate 40" x 42                    |      |      | Reel bars 4 x 4 x .50 double top bars 3 1/2 x 3 1/2 x 7/16 |      |      |  |                                |                |   |                                  |                      |
| " 2   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 3   |  | 15 x 4 x 1/2 C with 4 x 1/2 rider |      |      | 15 x 4 x 1/2 C with 4 x 1/2 rider                          |      |      | as approved                                    | 7/8                            | 5 1/4          | 3 1/8 for 11 Rivets   |                                  |                      |
| " 4   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 5   |  | Long. Bulk                        |      |      | plating 42 vert.   |      |      | Stiff 10 x 3 1/2 x 7/16 BA spaced              | 3 1/2"                         |                |   |                                  |                      |
| " 6   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 7   |  | 15 x 4 x 1/2 C with 4 x 1/2 rider |      |      | 15 x 4 x 1/2 C with 4 x 1/2 rider                          |      |      | as approved                                    | 7/8                            | 5 1/4          | 3 1/8 for 11 Rivets   |                                  |                      |
| " 8   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 9   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 10  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 11  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 12  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 13  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 14  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 15  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| " 16  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Spacing of Longitudinal Frames  |  | Amidships 1-4<br>6-9              |      |      | 33"<br>30"   |      |      |  |                                |                |   |                                  |                      |
| Double Bottoms L, L or C  |  | Tank Top Longitudinals            |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | Bottom                            |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Spacing of Longitudinals  |  | Amidships                         |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | At Ends...                        |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Transverses.  |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Side (in 'tween Decks)  |  | Depth and Thickness               |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | Face Angles                       |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | Lugs to Shell*                    |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Side (in Hold)  |  | Depth and Thickness               |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | Face Angles                       |      |      |  |      |      |  |                                |                |   |                                  |                      |
|   |  | Lugs to Shell*                    |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Bottom  |  | Depth and Thickness               |      |      | 40" 44" in centre<br>37" 44" in wings                      |      |      | as amidships                                   |                                |                |   |                                  |                      |
|   |  | Face Angles                       |      |      | 8 3 1/2 7/16 BA<br>double in centre single in wings        |      |      | 8°   |                                |                |   |                                  |                      |
|   |  | Lugs to Shell*                    |      |      | 6 6 1/2 joggled  |      |      | 8°   | 7/8                            | 4 1/2          | 3 1/8   |                                  |                      |
|   |  | " " Back Bars                     |      |      | 3 1/2 3 1/2 7/16   |      |      | 8°   | 7/8                            | 4 3/8          |   |                                  |                      |
|   |  | Brackets                          |      |      | 44   |      |      | 8°   |                                |                |   |                                  |                      |
| Spacing of Transverse Frames  |  | 10' 6"                            |      |      |  |      |      | 8°   |                                |                |   |                                  |                      |
| * State if joggled or liners.   |  |                                   |      |      |  |      |      |  |                                |                |   |                                  |                      |
| Longitudinal Beams of L, L or C   |  | Bridge Deck                       |      |      |  |      |      | Spacing.                                       |                                |                |   |                                  |                      |
|   |  | Upper                             |      |      | 9 3 1/2 7/16 BA  |      |      | 33 centre<br>30 wing                           | 29 x 42                        | 6 x 3 1/2      |   |                                  |                      |
|   |  | 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.



| EQUIPMENT No 44392     |                    |                    |      |      |                  |      |      |                        |       | LETTER CT |      | 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. |                              |                         |                      |   |
| 40352                  | 1st Bower ...      | 73                 | 3    | 0    | stockless        |      |      | 55                     | 15    | 0         | 0    | 73.14                        | Bygon Improved. cat S.H | W. L. Bygon & Co Ltd | W. V. Notman Sunderland 18/11/40          |
| 40351                  | 2nd „ ...          | 73                 | 2    | 24   | „                |      |      | 55                     | 15    | 0         | 0    | 73.14                        | B 80                    | 80                   | 80 80 16/11/40                            |
|                        | 3rd „ ...          |                    |      |      |                  |      |      |                        |       |           |      | 73.16                        |                         |                      |   |
|                        | Collective weight. |                    |      |      |                  |      |      |                        |       |           |      | 219.50                       |                         |                      |   |
| 53648                  | Stream .....       | 22                 | 3    | 18   | 5                | 3    | 2    | 23                     | 0     | 2         | 14   | 22 1                         | Rodgers Forged          | —                    | Cradley H. 31/10/40 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.     | Statu- tory.          | Break- ing.   | Supplied.              |      | Per Rule. |       | Length.                       | Diam.              |              |                   |  |                   | Length.                   | Chr.     |                              | Length.                       | Chr.     |
|                                   | Fathoms.                  | Ins.      | Tons.                 | Tons.         | Cwts.                  | qrs. | lbs.      | Cwts. | Fathoms.                      | Ins.               |              |                   |  |                   | Fathoms.                  | Ins.     | Tons.                        | Fathoms.                      | Ins.     |
| 112744                            | 240                       | 2 7/16    | 106 18/20             | 149 12 1/2/20 | 712                    | -    | 10        |       | 300                           | 2 7/16             | stud         | —                 | Netherthorpe 11/10/40 Relf.                | TOWLINE...        | 130                       | 5 1/4    | 77 10/20                     | 130                           | 5 1/4    |
| 116583                            | for 2 7/16                | 106 20/20 | 149 12 1/2/20         |               |                        |      |           |       |                               |                    |              |                   | Do 14.11.40 Do.                            | HAWSERS & WARPS } | 20ft 100                  | 2 3/4    | 15 4/20                      | 20ft 100                      | 2 3/4    |
|                                   | 60                        |           |                       |               |                        |      |           |       |                               |                    |              |                   |  |                   |                           | 20ft 100 | 2 3/4                        | 15 4/20                       | 20ft 100 |
|                                   |                           | Or.       |                       |               |                        |      |           |       |                               | Or.                |              |                   |  |                   |                           |          |                              |                               |          |
| Iron Stream Chain or Steel Wire } | 120                       | 5"        | 52 16/20              |               | -                      |      |           |       | 120                           | 5                  |              |                   | makers test.                               |                   |                           |          |                              |                               |          |

Steering Gear, Type (Power or hand) *Hydraulic* Alternative Means of Steering *Blocks & tackle to after wheel*

Steering Chains (Size and Test) *telemotor control* Windlass *steam efficient* Boats *5 + 1 motor*

Ceiling in Holds, thickness and material *none* Cargo Battens, thickness, material and spacing *steel bottom in fore hold*

Cargo Hatchways. (Upper Deck) *steel O.T. hatchways 40* Thickness of Hatches *54 steel O.T. covers*

Size of Hatchways No. 1 (Fwd.) *8' x 8'* No. 2 *27 hatches to cargo tanks 4'6" x 3'6"* No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *none.*

Builder's Signature *For HARLAND AND WOLFF, LIMITED.* Secretary *M. Marshall*

**REAL DECLARATION.** It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *motor ship*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *oil tanker* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

*Oil fuel is carried in bunkers situated at the fore side of motor space, in deep tank forward of forward cofferdam and in the double bottom under engines. Oil cargo is carried in 27 compartments between forward and after cofferdams, separated into three groups by two pump rooms.*

*This vessel has been built in accordance with the approved plans, the Secretary's letter and the Rules of the Society. The material and workmanship are good. All cargo tanks, oil fuel bunkers, deep tank forward, fore & after peak tanks, fresh water tanks, double bottom compartments in motor space and cofferdams have been tested to Rule requirements and found satisfactory. Steering gear and windlass tested under working condition and found satisfactory. Weather decks, W.T. bulkheads, also side lights have been satisfactorily tested. Bilge pumping arrangements tried and found in order. Freeboard verified and cut in.*

The amount of Entry Fee ..... £ 11 : 0 : 0 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 608 : 17 : 0 Received by me, I am of opinion the Vessel should be Classed *+100A-1.*

*Freeboard* Carrying petroleum in bulk. Long. framing at bottom of deck.

Travelling Expenses, if any £ 19 : 0 : 0

State whether the Vessel has been built under Special Survey *Yes* Signature *W. M. Balfour*

Certificate to be sent to *Belfast in duplicate* Date of issue *15/1/42.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE. 2 DEC 1941*

Character assigned *+100A-1*

*Carrying petroleum in bulk*

*Lloyd's assl. of. E.S.D.*

*note for S.R.L.*

*+ Lmb. 11.41*

*2 S.B. - 150A*

*oil sp.*

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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.)

This vessel is a sister vessel to the same builder Derwentdale No 1052; but without the special modifications embodied in the latter.

The following forging & casting reports are enclosed

Stern frame; rudder stock; Rudder post; rudder castings, tiller, spare tiller; bearing rings also certificates for masts & derricks (5 certificates).

Interim certificate issued copy attached.

The managers for this vessel up to and including the trial trip were Anglo Saxon Co., hereafter the British Tanker Co. took over.

PARTICULARS OF ELECTRIC WELDING (if employed) Welding employed for angle belts and corners for oil tightness and for non structural items

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book oil eng.; machinery aft; cruiser stern  
D.F. ; E.S.D.:

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

1st Bower No 40352: 47 + pm 48c - 1 26: No 3444, 20-9-40 J.T. Nov.  
2nd „ No 40351: 47 - 3.8 No 3437 13-9-40 J.T. Dec.  
3rd „

47-3" cw plan

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 93 ft., R.Q.D. ✓ ft., Bridge 46 ft., Forecastle 51 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated No

Official No. 168507 Signal Letters B.C.P.B Extreme Breadth over Belting no belting ✓ Over-all Length 483 ✓  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 deck steel and 2 p<sup>l</sup> steel clear of cargo tanks

Parts of Bottom of Vessel coated with cement or approved composition none ✓

Particulars of composition (if fitted) and of approval none ✓

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
(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.<br>Feet. | Water Capacity.<br>Tons. | Where Fitted.  | Length.<br>Feet. | Water Capacity.<br>Tons. |
|---|------------------|--------------------------|--|------------------|--------------------------|
| Double bottom, aft, under engines         | 69.5 ✓           | 156 ✓                    | Fore peak tank,  |                  | 150 ✓                    |
| Double bottom, under Engines and Boilers, |                  |                          | After peak tank,                                       |                  | 88 ✓                     |
| Double bottom, if under Engines only,     |                  |                          | Deep tank, aft,  |                  |                          |
| Double bottom, if under Boilers only,     |                  |                          | Deep tank, forward,                                    | 24.75            | 275 ✓                    |
| Double bottom, forward,                   |                  |                          | Other tanks, if fitted,                                |                  |                          |
| Total length (if continuous) and Capacity |                  |                          | (If necessary, furnish further information by sketch.) |                  |                          |

Order for Special Survey No. 889

Date.

10. 10. 39

Dates of Surveys held while building

1940  
Jan. 15. 22. 24. 30 Feb 8. 23. 26. 27. 28. 29 Mar 1. 5. 6. 7. 8. 11. 15. 18. 20. 22. 27 Apr 1. 5. 10. 17. 22  
26. 29 May 2. 8. 9. 22. 23. 27. 29 June 3. 6. 7. 10. 20. 26 July 3. 15. 18. 24. 26. 31 Aug 1. 2. 5. 6. 7. 12  
13. 14. 15. 19. 26. 27. 28. 29 Sept. 4. 12. 13. 17. 20. 24. 25. 27. 30 Oct. 1. 2. 8. 10. 11. 16. 30. Nov. 13. 15. 19  
26. 28. 29 Dec 2. 3. 4. 6. 9. 13. 17. 20. 24. 31 1941 Jan 2. 8. 13. 16. 24. 28. 7 Feb 3. 6. 10. 12. 13. 18. 21. 22  
27 Mar 3. 4. 13. 17. 18. 27. 31 Apr 3. 8. 11. 18. 26 May 1. 2. 12. 13. 15. 16. 20. 22. 26. 27. 28. 30 June 3. 5. 6  
9. 10. 11. 13. 16. 19. 23. 26. 27. 30 July 1. 2. 3. 4. 7. 8. 10. 25 Aug 1. 15. 29. Sept 9. 18 Oct 1. 3. 15. 17. 20. 22 28  
30. Nov. 4. 6. 7. 8. 10. 11. 12

Total No. of Visits 113