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1081

Port GLASGOW. No. 91590.

Date of completing report 9.8.60. When handed in at Local Office 31.8.60. Received London
 Survey held at Grangemouth. First Visit 1.6.59. Last Visit 11.7.60. No. of Visits 122

FIRST ENTRY SHIP REPORT

TS
ON THE SS/MS "MOANA ROA"

1081

Has Report been sent on (1) Freeboard of Ship? Yes (2) Machinery? Yes
 (Rpt. C11 & Rpt. C11 (Comp.) are to be forwarded in advance when freeboards are assigned by the Society. In cases where freeboards are assigned by another Authority or when ships are exempt from Load Lines, Rpt. C11 only need be forwarded).

Type of Ship Passenger/Cargo (Insulated Compts.) Is machinery fitted aft? No - amidships.

Length (D 201 of Rules)* 270'-0"
 Breadth (D 202 of Rules) 46'-0"
 Depth (D 203 of Rules) 22'-0"
 Draught (summer moulded) (D 204 of Rules) 17'-0"
 Deck Factor "F" excluding d_t } Effective
 " " "F" including d_t } Superstructure
 } fitted.
 Gross tonnage 2892.57
 Net tonnage 1318.35
 Official number
 Signal letters Z.M.F.I.

Built at Grangemouth.
 Launched 14th April, 1960. Yard No. 526.
 Builders The Grangemouth Dockyard Co. Ltd.
 Owners New Zealand Govt.
 Address Hotel Cecil Building, Lambton Quay, Wellington.
 Managers
 Address
 Port of Registry Auckland.
 Date of last survey in drydock 14th June, 1960.

GENERAL DECLARATION

Has the ship been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters? Yes.
 Have the scantlings and arrangements of the ship as built been checked by you and found to be in accordance with the approved plans or with equivalent arrangements? Yes
 Have any modifications and/or additions to the original approved arrangements made during construction, been indicated in ink of a distinctive colour other than red on the approved plans now forwarded, and approved locally as being in accordance with or by standards equivalent to Rule requirements? Yes.
 Have separate plans of midship section and profile and decks showing the ship as built are forwarded, have they been checked with the approved arrangements and found in order? Yes
 Are the materials and workmanship satisfactory? Yes
 Have the freeboards been satisfactorily marked on the ship's sides and verified? Yes

BUILDER'S DECLARATION: To the best of my knowledge the ship has been built in conformity with the Rules, Regulations and requirements of Lloyd's Register of Shipping.

THE GRANGEMOUTH DOCKYARD COY. LTD.
Abraham Managing Director Builder's Signature

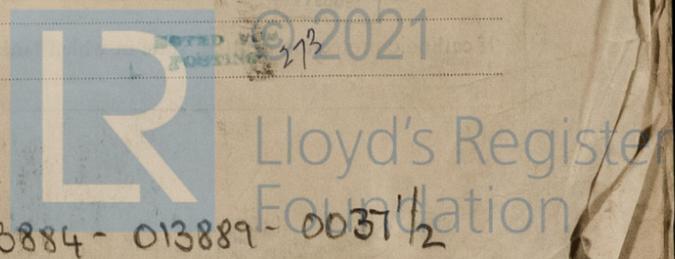
Special Survey fee £624. -- --
 Freeboard £ 43. -- --
 Travelling expenses £ 30. 10. --
 Attendance fees
 Fees applied for -6 SEP 1960 Received
 Classification Certificate to be sent to Glasgow (Machinery Dept.)
 Date of issue 25.10.60
 Has an Interim Certificate been issued? Yes.

This Ship in my opinion is eligible to be classed:—
 (Special notations where part of class to be stated)
+100A1

Signature Alister M. Cameron
 Surveyor(s) to Lloyd's Register of Shipping
 (ALISTER M. CAMERON)

Committee's Minute GLASGOW 56 SEP 1960
 Character Assigned +100A1
DS. 6.60. } +LMCES
15(OG) P.S. } 8.60.

ACP
Insulated ship no spring fitted



S.O. Ltr. to GLS. 9.60.

STEEL

Manufacturer's Name and/or Trade Mark of the steel used in the construction of the ship:—

Plates:— Appleby - Frodingham Steel Co. - Colvilles Ltd., - Dorman Long (Steel Ltd.) - Smith & McLean Ltd., South Durham Steel & Iron Co. Ltd., - Steel Company of Scotland Ltd.

Sections:— Colvilles Ltd., - Dorman, Long (Steel) Ltd., - Etna Iron & Steel Co. Ltd., - Skinningrove Iron Co. Ltd.

Has the steel been manufactured at works recognised by the Committee and tested in accordance with the Rules? Yes. ✓

Process of manufacture (e.g. Open hearth, electric furnace, etc.) Open Hearth. ✓

Particulars of Special Quality Steel used None.
(Advice notes to be forwarded separately with plan showing disposition of these plates)

ELECTRIC WELDING

Parts of main structural importance electrically welded Butts and seams of keel, bottom and side shell (ex. bilge se tank top, double bottom tank ends, bulkheads, deck plating and beams, deep tanks and

Parts examined by radiography) Oil Fuel bunkers, hatch coamings and deck girders and sundry minor items.

No radiographs taken.

Were the electrodes used of types approved by the Committee? Yes. ✓

FORGINGS, CASTINGS AND FABRICATED PARTS

ITEM	FORGING, CASTING OR FABRICATED (Certificates to be forwarded)	MAKER'S NAME
Stem bar	Forging	Cotts & Co. Ltd., Sanguhar. ✓
Shaft brackets	Castings	Koninklijke Demka Staalfabrieken N.V. ✓
Sternframe	Fabricated.	T.S. Forster & Sons Ltd., Sunderland. ✓
Rudder mainpiece or post	"	" " " " " " ✓
Rudder head & frame.	Forging & fabricated.	" " " " " " ✓
Quadrant	Casting	Brown Bros. Edinburgh. ✓
Tiller	Casting	" " " " " " ✓

GENERAL PARTICULARS

Steering gear (Type & Maker) Electro-Hydraulic-Brown Bros. (2 motors fitted) ✓ Auxiliary steering gear Hand gear. ✓

Steering chains (Size & test) - Windlass (Type & Maker) Electric - Clarke-Chapman. ✓

Ceiling in holds (Material & thickness) Insulation & 2" elm. ✓ Are cargo battens fitted in holds? No in 'tween decks? No.1 on

Parts of bottom plating on which cement or an approved composition is laid (if fitted):— (Rivet heads in D.B. W.B. tanks, F. & A. peak tanks at bottom. Remainder of these tanks cement washed.

Particulars of composition (if any):— None.

Insulated cargo compartments (if any):— Nos. 1, 2 & 3 Holds, No.2 T.D. lockers (p & s) No.2 T.D. cross locker and cargo lockers to No.3 Hold (p & s)

Parts of structure of material other than steel (if any):— Wheelhouse of aluminium.

If mechanical ventilation is fitted, state in which cargo spaces:— All cargo spaces.

If cathodic protection is fitted, state in which tanks:— None fitted.

CAPACITIES OF TANKS (35 c.f. per ton) (Capacity Plan to be forwarded)

(O.F. or F.W. ONLY to be inserted against tanks used exclusively for oil fuel or fresh water)

Double bottom tanks:— No. 1 73.54 ✓ No. 2 138.57 ✓ No. 3 O.F. ✓ No. 4 Lub.Oil ✓ No. 5 F.W. ✓ No. 6 60.14
 tons. tons.

No. 7 ^{STEM} No. 8 No. 9 No. 10 No. 11 No. 12
 Fore peak tank (frs.124 to stern) ✓ 60.57 tons. After peak tank (Stern to Fr.9) ✓ 56.44 tons. Midship deep tank

Deep tank aft (Frs. 36 to 47) F.W. ✓ Deep tank fwd. Topside tanks
 Tanks at sides of tunnel F.W. ✓ Tanks in way of tunnel Deck tanks
 Bunker Sett. Other tanks
 Side tanks (Frs.67-70) O.F. ✓ Wing tanks (Frs.67-70) O.F. ✓

If ship is an oil tanker state the numbers of main cargo tanks used exclusively for water ballast (if any) with capacities:—

GENERAL REMARKS

Names and yard numbers of sister or similar ships to be stated below. Numbered list of "Approved" and "As Built" plans to be given below or furnished separately (Port, Report Number, Builders' Name and Yard Number, Name of Ship and title of plan in English to be stated on outside of all plans folded to a maximum size of 11" x 9". List of forging, casting or equivalent fabricated parts, certificates to be given below with Certificate number, Port and Date.)

The following plans, applicable to this vessel, are forwarded herewith:—

- | | |
|--|---|
| ✓1. Midship section. | ✓15. Framing plan |
| ✓1A. Midship Section (As fitted) | ✓16. Plan of masts & derrick posts |
| ✓2. Profile & Decks | ✓17. McGregors Patent Steel Hatch Covers (3 she |
| ✓2A. Profile & Decks (As fitted) | ✓18. Tween deck insulated lockers |
| ✓3. Sternframe & Rudder | ✓19. Pumping plan |
| ✓4. Keel, centre girder & bottom shell | ✓20. Lower deck aft, etc. |
| ✓5. Tank top and stiffening in double bottom | ✓21. Plan of hatches and girders. |
| ✓6. Pillar & girder arrangement | ✓22. Second deck |
| ✓7. Pillar insulation | ✓23. W.T. Doors in shell |
| ✓8. Propeller brackets | ✓24. Main deck |
| ✓9. Engine seating | ✓25. Bridge deck |
| ✓10. Oil Fuel Bunkers | ✓26. Galley refuse chute |
| ✓11. Plan of Bulkheads | ✓27. Wheelhouse & Deckhouse in Navig. Bridge |
| ✓12. Shell Expansion | ✓28. Capacity Plan |
| ✓13. Aft end framing | ✓29. Part plan view of E.R. tank top. |
| ✓14. Fore End framing | |

The following forging, etc. certificates are forwarded herewith:—

	Cert. No.	Port	Date
1. Stem bar.	36803	GLASGOW	8.6.59. ✓
2. Sternframe	4472	SUNDERLAND	11.9.59. ✓
3. Rudderhead & rudder frame	4630	SUNDERLAND	23.10.59. ✓
4. Tiller crosshead & sector	37199	GLASGOW	11.11.59. ✓
5. Steering gear test sheet	C.10076	LEITH	31.12.59. ✓
6. Derricks test sheet.	C.63826	GLASGOW	4.2.60. ✓
7. Propeller Brackets	59/2940	AMSTERDAM	17.12.59 ✓

SPECIAL FEATURES

"While the Committees of the Society use their best endeavours to ensure the accuracy of the information furnished to them, they do not accept any responsibility for any error or omission in any report or certificate issued by the Society or its Committees or any Member thereof, or the Surveyors, or other Officers of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers of the Society."