

Rpt. 1

Port GLASGOW No. 93652
 Date of completing report 24.7.62 When handed in at Local Office 3. 8. 62 Received London
 Survey held at DUMBARTON First Visit 29.11.60 Last Visit 20.6.62 No. of Visits 203

DISCLOSED

FIRST ENTRY SHIP REPORT

SECTION B

No. 756 ON THE SS/MS Diesel Electric Twin Screw "ARAOANA"

F.E. FROM ACCTS.	296.974.2
F.E. FROM ADMIN/F	24.8
PLANS RECD.	22.8
CERTS. RECD.	
TO RPLS DEPT.	28.8

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/Car/Train Ferry Is machinery fitted aft? No

Length (D 201 of Rules)* 341'-2" Built at Leven Shipyard, Dumbarton

Breadth (D 202 of Rules) 59'-0" Launched 24th November, 1962 Yard No. 1502

Depth (D 203 of Rules) 36'-0" to U.Dk. 21'-0" Builders William Denny & Bros. Ltd.

Draught (summer moulded) (D 204 of Rules) 15'-6" Dumbarton

Deck Factor "F" excluding d_e - Owners New Zealand Government. (Railway Dept)

" " "F" including d_e - Address -

Gross tonnage 4160 Managers Union Steamship Co.

Net tonnage 1431 Address -

Official number 315620 Port of Registry Wellington

Signal letters ZMRD Date of last survey in drydock 6th June, 1962

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

If 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.

Date entry made in RFB.

Surveyor's Initials.

Builder's Signature

FEES, etc.

Special Survey fee £968. - - -
 Load Line Assignment £64. - - -
 Travelling expenses £10. 3. - -
 Delivery Voyage Certificate. £62. - - -
 Late attendance fees

Fees applied for 29.6.62 Received

Classification Certificate to be sent to

Date of issue 8 NOV 1962 Amel to Gls
Michy to Lve

Has an Interim Certificate been issued? Yes

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

"Train Ferry for New Zealand Service"

on completion of satisfactory examination
 of the ship on arrival at New Zealand.

Signature

Surveyor(s) to Lloyd's Register of Shipping

(T. S. PATKIN)

Committee's Minute GLASGOW 21 AUG 1962Character Assigned Transmit to London

FRIDAY - 2 NOV 1962
+ 100A1 New Zealand Coastal Service
DS.6.62

LACP

+ Lmc ES
DBS } 6.62
TS(05)

Class withdrawn at
Owner's Request

Noted
 for
 Header

Ack Lth Wln.

Bul



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STEEL

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

Plates:— Colvilles Ltd., Smith & McLean Ltd.

Sections:— Colvilles Ltd., Smith & McLean 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 All Welded (Except shell plating seam at

Upper Turn of Bilge and Upper & Prom Decks Stringer to Shell)

Parts examined by radiography Bottom Shell. Side Shell. Tank Top. Vehicle Deck. Upper Dk. Shaft Bkts.
Centre Girder Butts.

2 85 57 49 39 46 4

Total:- 282.

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 Piece	Forging	The Dennystown Forge Co. Ltd. ✓
Shaft brackets	Fabricated	Wm. Denny & Bros. (No Certificate) ✓
Stem Bar. 1 Upper & Sternframe Lower Boss.	Forging	The Dennystown Forge Co. Ltd. ✓
2 Rudder mainpiece or post	Forging	The Dennystown Forge Co. Ltd. ✓
Rudder-head Pintle Bar	Forging	The Dennystown Forge Co. Ltd. ✓
Tiller Crosshead Boss	Forging	The Fife Forge Co. Ltd. ✓
Quadrant (Bow St. Gear)	Forging	Carntyne Steel Castings Co. Ltd. ✓
2 Tiller Crossheads &/	Castings	The Dennystown Forge Co. Ltd. ✓
Bow Rudder Caps.	Forging	
Post.		

GENERAL PARTICULARS

Steering gear (Type & Maker) Electric-Hydraulic by Brown Bros. Auxiliary steering gear Two Motors & Local Control. ✓

Steering chains (Size & test) — Windlass (Type & Maker) Electric by Stothert & Pitt. ✓

Ceiling in holds (Material & thickness) None Are cargo battens fitted in holds? No. in 'tween decks? No.

Parts of bottom plating on which cement or an approved composition is laid (if fitted):— None.

Particulars of composition (if any):— None.

Insulated cargo compartments (if any):— None.

Parts of structure of material other than steel (if any):— None.

If mechanical ventilation is fitted, state in which cargo spaces:— Into Vehicle Space.

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

EQUIPMENT

ANCHORS

Certificate No.	
(p)	
39755	Bo
(s)	
39760	
39739	
(spare)	
	St

CHAIN CABLES

Number of Certificate	Len	Fm	me
12972	27		
13402/3	For		

JL

CLASS CO

These partic
Signal Letters (if any)

Official Num

315620

No., Date, and Port o

Whether British or
Foreign Built

British

Number of Decks ..
Number of Masts ..
Rigged ..
Stem ..
Stern ..
Build ..
Framework and desc
of vessel ..
Number of Bulkheads ..

o. of
ts of
gins

Description of E

Six Diesel
ElectricParticulars of Bo
Description

Number

Loaded pressure

Is the ship (if not a

to be inserted in

Watertight and/or

Bulkheads in ship

Bulkheads in ship

Is E.S.D. fitted?

Is D.F. fitted?

GENERAL COMMITTEE

Classing Committee
decision confirmed

LR-FAF-TB17-32



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22 DEC 1952

CHAIN CABLES

TOWLINE AND MOORING ROPES

CAST STEEL ANCHOR HEAD DROP TEST

Item	Supplied		Breaking Test	Rule		Maker's Name	Certificate number	Weight (to include pins, etc.)	Surveyors' Initials	Date of Test
	Length	Circ.		Length	Circ.					
	Fathoms or metres	Ins. or mm.	Tons or kilsgrs.	Fathoms or metres	Ins. or mm.	Bower (1) W.L. Byers & Co. Ltd.	1045	39.2.0.	A.E.G.	28.2.61.
	✓ 111	✓ 4 1/2	✓ 58.6	✓ 110	✓ 4 1/2	" (2) "	1048	39.2.21.	A.E.G.	3.3.61.
Towline	111 (6/24)	4 1/2	58.6	110 (6/24)	4 1/2	" (3) "	1032	39.2.7.	A.E.G.	21.2.61.
Mooring	4 @ 100	7"	20.65	4 @ 100	7"	Stream	-			
Ropes	-	-	-	-	-					

PARTICULARS FOR REGISTER BOOK (feet & inches)

Number and material of decks One and Shelter Deck - Steel. Mezzanine Deck Forward. ✓

Overall length 368'-0" ✓ Extreme breadth 61'-0" ✓ Rise of floor 18" ✓

Is longitudinal framing fitted? (state where) Yes - Upper Deck. ✓

Is strengthening for navigation in ice fitted? (state class) No. ✓

Is additional strengthening for heavy cargoes fitted? On Vehicle Deck - Yes.

Is the ship (if not a motorship) fitted for the carriage and burning of oil as fuel? No. D.E.

Is the ship (if not an oil tanker) fitted for carrying oil as cargo? No. and if so state where, together with the

to be inserted in the notation:—

Watertight and/or Oiltight Bulkheads (state number required by Rules) Six ✓

Bulkheads in ship extending to Upper deck on frame numbers:— 11, 25, 39, 53, 71, 90, 106, 117, 128

Bulkheads in ship extending to deck below upper deck on frame numbers:— Fr. 150 143 160.

Is E.S.D. fitted? Yes Is Radar fitted? Yes Is Position Fixing Device fitted? Yes

Is D.F. fitted? Yes Is Gyro Compass fitted? Yes Is Sextant fitted? Yes

Is buccal mucosal lining apparatus fitted? No

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 27 ✓ No. 2 38 ✓ No. 3 (Cr) 35 (p)46/② No. 4 (s)32 Cr. (p)37/② No. 5 (s)51 Cr. (p)60 ✓ No. 6 (s)43 ✓
 No. 7 F.W. ✓ No. 8 15 ✓ No. 9 — No. 10 — No. 11 — No. 12 —
 Fore peak tank Dry After peak tank Dry Heeling (Frs. 65-71) 69 (p & Midship-deep tank (Frs. 71-84) 190 (p & Trimming (Frs. 71-90) & DB 71-90)
 Deep tank aft (Frs. 11-25) 119 ✓ Deep tank fwd. (Frs. 150-160) 31 ✓ Topside tanks —
 Centre Tanks at sides of tunnel (Frs. 27-37) F.W. ✓ Tanks in way of tunnel — Deck tanks —
 CentreLine Deep CentreLine Deep
 Side tanks (Frs. 108-117 & 117-127) O.F. ✓ Wing tanks (Frs. 128-138) — F.W. ✓ Other tanks BB @ Cr. — Frs. 86-90 —

If ship is an oil tanker state the numbers of main cargo tanks used exclusively for water ballast (if any) with capacities:— Not Applicable.

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.)

No Sister Ship

List of Forgings etc.

1. Stem Piece.	Cert. No. 2352	GLASGOW	29.6.61. ✓
2. 1 Stem Bar. 1 Upper & Lower Boss.	" " 2377-9.	"	24.7.61. ✓
3. 2 Rudder Posts.	" " 2515/6.	"	11.9.61. ✓
4. 1 Bar for Pintle.	" " 2349	"	26.6.61. ✓
5. 1 Tiller Crosshead Boss (Bow Gear)	" " F.3946	LEITH	4.7.61. ✓
6. 2 Tiller Crossheads & Caps.	" " 38684	GLASGOW	10.7.61. & 13.7.61. ✓
7. Bow Rudder Post.	" " 2424.	"	3.8.61. - ✓

See Separate List for Plans.

SPECIAL FEATURES Bow Rudder, Voith Schneider Propeller Forward, Stabilisers, Twin Rudders Aft.

Note :- At dry dock examination of ship prior to sea trials and delivery voyage to New Zealand, a rise in the keel plate forward was noted from 0" at 10'-6" abaft centre of bow rudder stock to 11/16" at centre of rudder stock. Slight 'peaking' of bottom shell welded butts (p & sf) also noted.

Rpt. 4b

Date of writing report

Survey held at

FIRST

No. in R.B. 52112

Owners New Ze

Hull built at Dun

Main Engines made

Gearing made at

Domestic

LI



CS/78691

the un
Messrs.
purpose
construct
Hamworthy

On

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Fee:-
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This Certificate is issued
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Committee or any

300m. 5.62 (MADE
(Cert.B) 100m.

Diameter of flywheel

Flywheel shaft: separa

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