

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report **5.9.28** When handed in at Local Office **2nd OCTOBER 1928** Port of **Greenock** Received at London Office **10 OCT 1928**

No. in Survey held at **Greenock** Date, First Survey **21st February 1928** Last Survey **20th October 1928**
Reg. Book. on the **S/S "Tomislav"** (Number of Visits **51**)

Built at **Pielorgow** By whom built **R Duncan & Co** Yard No. **386** Tons **1928**
Engines made at **Greenock** By whom made **John & Kincaid & Co** Engine No. **650** when built **1928**
Boilers made at **ditto** By whom made **ditto** Boiler No. **650** when made **1928**
Registered Horse Power **512** Owners **Babunza & Co (Managers)** Port belonging to **Dulrovnich**
Nom. Horse Power as per Rule **512** Is Refrigerating Machinery fitted for cargo purposes **No** Is Electric Light fitted **Yes**
Trade for which Vessel is intended **Foreign**

ENGINES, &c.—Description of Engines **Triple Expansion** Revs. per minute **70**
Dia. of Cylinders **24" - 44" - 73"** Length of Stroke **48"** No. of Cylinders **3** No. of Cranks **3**
Crank shaft, dia. of journals as per Rule **13.86** as fitted **14"** Crank pin dia. **14"** Crank webs Mid. length breadth **shrunk** Thickness parallel to axis **8 3/4"**
Intermediate Shafts, diameter as per Rule **13.21** as fitted **13 1/4"** Thrust shaft, diameter at collars as per Rule **13.86** as fitted **14"**
Tube Shafts, diameter as per Rule **14.7** as fitted **15"** Is the **1 1/2** screw shaft fitted with a continuous liner **Yes**
Screw Shaft, diameter as per Rule **14.8** as fitted **13 1/16"** Thickness between bushes as per Rule **1.56** as fitted **1.8"** Is the after end of the liner made watertight in the propeller boss **Yes**
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner **Yes**
If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive **Yes**
If two liners are fitted, is the shaft lapped or protected between the liners **Yes** Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft **No**
Length of Bearing in Stern Bush next to and supporting propeller **60"**
Propeller, dia. **18' 0"** Pitch **14' 3"** No. of Blades **4** Material **Brass** whether Moveable **No** Total Developed Surface **100** sq. feet
Feed Pumps worked from the Main Engines, No. **2** Diameter **4"** Stroke **24"** Can one be overhauled while the other is at work **Yes**
Bilge Pumps worked from the Main Engines, No. **2** Diameter **4"** Stroke **24"** Can one be overhauled while the other is at work **Yes**
Feed Pumps { No. and size **one 9 1/2" x 4 1/2"** Pumps connected to the { No. and size **one 8 x 13-10**
How driven **Steam** Main Bilge Line How driven **Steam**
Ballast Pumps, No. and size **one 8 1/2 x 10** Lubricating Oil Pumps, including Spare Pump, No. and size **—**
Are two independent means arranged for circulating water through the Oil Cooler **Yes** Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room **3 at 2 1/2" - 2. 2"**
In Holds, &c. **701. 2. 2 3/4" - 702. 2. 3 1/2" Deep Tank 2. 2 1/2" 703. 2. 2 3/4" 704. 1 3 1/2"**
Tunnel well **1 2 1/4"**

Main Water Circulating Pump Direct Bilge Suctions, No. and size **one 8"** Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size **one 5"**
Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes **Yes**
Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges **Yes**
Are all Sea Connections fitted direct on the skin of the ship **Yes** Are they fitted with Valves or Cocks **None**
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates **Yes** Are the Overboard Discharges above or below the deep water line **Above**
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel **Yes** Are the Blow Off Cocks fitted with a spigot and brass covering plate **Yes**
What Pipes pass through the bunkers **None** How are they protected **—**
What pipes pass through the deep tanks **None** Have they been tested as per Rule **Yes**
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times **Yes**
Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another **Yes** Is the Shaft Tunnel watertight **Yes** Is it fitted with a watertight door **Yes** worked from **UER Platform**

MAIN BOILERS, &c.—(Letter for record **S**) Total Heating Surface of Boilers **4528.8 # 7529**
Is Forced Draft fitted **Yes** No. and Description of Boilers **3 Single ended SA** Working Pressure **180**
IS A REPORT ON MAIN BOILERS NOW FORWARDED? **Yes**
IS A DONKEY BOILER FITTED? **No** If so, is a report now forwarded? **—**

PLANS. Are approved plans forwarded herewith for Shafting **Yes** Main Boilers **Yes** Auxiliary Boilers **—** Donkey Boilers **—**
(If not state date of approval)
Superheaters **—** General Pumping Arrangements **Yes** Oil fuel Burning Piping Arrangements **—**

SPARE GEAR. State the articles supplied:— **2 Coupling Rod top end both, out, ditto for bottom end, 2 Main Bearing locks one set of Coupling bolts one set of Feed & Bilge Pump Gears, a quantity of assorted lock washers, 900 of various sizes**

Water Ca
Ton
20
96

5.4.11.13.7
Visits **62**

The foregoing is a correct description,
FOR JOHN G. KINCAID & CO. LONDON

W. Carter

DIRECTOR

Manufacturer.



© 2020

Lloyd's Register Foundation

W1061-0199

(1928) Feb. 21-29 Mar. 8-12-22 April 2-10-19-24 May 1-8-18-25-30-31 June 1-6-4-11-14-19-21-22-26 July 10-14-20-24-26-30
 During progress of work in shops - - Aug. 1-8-13-14-15-14-20-21-22-23-24-30 Sept. 1-6-7-10-12-13-18-21-29
 Dates of Survey while building
 During erection on board vessel - - -
 Total No. of visits 51

Dates of Examination of principal parts—Cylinders 15-8-28 Slides 21-8-28 Covers 15-8-28
 Pistons 14-8-28 Piston Rods 17-8-28 Connecting rods 17-8-28
 Crank shaft 22-8-28 Thrust shaft 22-8-28 Intermediate shafts 22-8-28
 Tube shaft ✓ Screw shaft 14-8-28 Propeller 14-8-28
 Stern tube 20-4-28 Engine and boiler seatings 20-8-28 Engines holding down bolts 6-9-28
 Completion of fitting sea connections 20-8-28
 Completion of pumping arrangements 21-9-28 Boilers fixed 6-9-28 Engines tried under steam 29-9-28
 Main boiler safety valves adjusted 21-9-28 Thickness of adjusting washers S 13/32 P 11/32 S 5/16 P 11/32 S 11/32 P 11/32
 Crank shaft material § Identification Mark LR 650 WGM Thrust shaft material § Identification Mark 4376 LR
 Intermediate shafts, material § Identification Marks 2586 LR WGM Tube shaft, material ✓ Identification Mark ✓
 Screw shaft, material § Identification Mark LR 255 WGM Steam Pipes, material hr 9 Test pressure 540 Date of Test 12-9-28
 Is an installation fitted for burning oil fuel 910 Is the flash point of the oil to be used over 150°F. ✓
 Have the requirements of the Rules for carrying and burning oil fuel been complied with ✓
 Is this machinery duplicate of a previous case 910 If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.) These Engines & Boilers have been built under special survey in accordance with the approved plans & the workmanship & material are of good quality. They are now securely fitted on board, tried under steam & found satisfactory.
The machinery is eligible in my opinion for the record of LMC, 9-28

It is submitted that this vessel is eligible for THE RECORD. + LMC 9-28 Cl. F.D.

[Signature]
 25th 12/10/28

The amount of Entry Fee ... £ 6 : : ✓
 Special ... £ 100 : : 15th OCTOBER 1928
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : : 3rd OCTOBER 1928

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 9 / OCT 1928

Assigned + LMC 9, 28



GREENOCK

The Surveyors are requested not to write on or below the space for Committee's Minutes.

CERTIFICATE WRITTEN