

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Survey Report 21st March 1929 When handed in at Local Office 22nd March 1929 Port of Leith
Survey held at Burntisland Date, First Survey 23rd Jan^y Last Survey 15th March 1929
on the 1/2" PENYBRYN (Number of Visits 8.) Tons Gross 4251.45 Net 2635.40
Burntisland By whom built Burntisland S.B. Co. Ltd. Yard No. 150 When built 1929
made at Glasgow By whom made D. Rowan & Co. Ltd. Engine No. 898 when made 1929
made at Glasgow By whom made D. Rowan & Co. Ltd. Boiler No. 898 when made 1929
Horse Power 331 Owners Lundegaard and Sønner Port belonging to Farsund
Horse Power as per Rule 331 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
for which Vessel is intended

ES, &c.—Description of Engines
Cylinders Length of Stroke No. of Cylinders No. of Cranks
Thrust shaft, diameter at collars 48873
Screw Shaft, diameter at collars
Liners, thickness in way of bushes
Pumps worked from the Main Engines, No. 2 Diameter 3 1/4" Stroke 24"
Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 24"
Pumps connected to the Main Bilge Line
Lubricating Oil Pumps, including Spare Pump, No. and size
Suctions, connected to both Main Bilge Pumps and Auxiliary
Water Circulating Pump Direct Bilge Suctions, No. and size 1-6"
Independent Power Pump Direct Suctions to the Engine Room Bilges,
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
Sea Connections fitted direct on the skin of the ship
Are they fitted with Valves or Cocks
Are the Overboard Discharges above or below the deep water line
Are the Blow Off Cocks fitted with a spigot and brass covering plate
How are they protected
Have they been tested as per Rule
Is the Shaft Tunnel watertight
Is it fitted with a watertight door
worked from top platform

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers
Working Pressure
A REPORT ON MAIN BOILERS NOW FORWARDED
A DONKEY BOILER FITTED
If so, is a report now forwarded?
ANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
(If not state date of approval)
General Pumping Arrangements Oil fuel Burning Piping Arrangements
ARE GEAR. State the articles supplied:— Two main bearing bolts; two top end bolts + nuts;
two bottom end bolts + nuts; two sets of coupling bolts; one set of feed
bilge pump valves; 12 piston junk ring studs + nuts; 6 cyl. cover studs
nuts; assorted bolts + nuts + iron; one propeller; one propeller shaft;
condenser tubes; 2 doz. ferrules; 6 plain boiler tubes.

The foregoing is a correct description,
Manufacturer.

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During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits 8
1929 - Jan 23, 26, 30; Feb 22, 26; Mar 6, 14, 15
PENYBRYN
Dates of Examination of principal parts—Cylinders
Pistons ✓ Piston Rods ✓ Slides ✓ Covers ✓
Crank shaft ✓ Thrust shaft ✓
Tube shaft ✓ Screw shaft ✓
Connecting rods ✓
Intermediate shafts ✓
Propeller in place: - 26-1-29
Stern tube in place: - 23-1-29 Engine and boiler seatings 30-1-29 Engines holding down bolts 26-2-29
Completion of fitting sea connections 23-1-29
Completion of pumping arrangements 6-3-29 Boilers fixed 26-2-29 Engines tried under steam 6th, 14th, 15th Mar
Main boiler safety valves adjusted 6-3-29 Thickness of adjusting washers Port Bl. P.V. 5/16" S.V. 5/16" Star Bl. P. 5/16"
Crank shaft material ✓ Identification Mark ✓ Thrust shaft material ✓ Identification Mark ✓
Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material ✓ Identification Mark ✓ Steam Pipes, material ✓ Test pressure ✓ Date of Test ✓
Is an installation fitted for burning oil fuel No Is the flash point of the oil to be used over 150°F. ✓
Have the requirements of the Rules for the use of oil as fuel been complied with ✓
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No If so, have the requirements of the Rules been complied with ✓
Is this machinery duplicate of a previous case No If so, state name of vessel ✓
General Remarks (State quality of workmanship, opinions as to class, &c.)

This Machinery has now been efficiently fitted on board. On completion, all safety valves were adjusted under steam as noted above, & the Main & Aux^y Engines were tried under working conditions & were found satisfactory. In my opinion this Machinery is in good order & condition, & is eligible to be classed in the Register Book with the notations of +L.M.C. 3-2 & T.S.C.L.

Certificate to be sent to
The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £
Special ... £
Donkey Boiler Fee ... £
Travelling Expenses (if any) £ 1-19-0
When applied for, 22nd Mar 1929
When received, 30.3.29

John Houston.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 26 MAR 1929
Assigned See Minute on Gls Rpt 48873