

EIVED

Rpt. 4.
DEC 1949

MoB. Rpt No. 19062.

No. 660



REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

23.28.30.
21.22.27.28
12.49
50

Date of writing Report 9.11.49 When handed in at Local Office 19 Port of Nottingham.
No. in Survey held at Nottingham. Date, First Survey 10.8.49. Last Survey 22.10.1949.
Reg. Book on the Messrs. Smith's Dock Co. Ltd.,
Built at -By whom built under C/No. 24696 E.W. 1198 Yard No. unknown When built
Engines made at Nottingham By whom made E. Reader & Sons Ltd. Engine No. 25058 When made 1949
Boilers made at By whom made Boiler No. When made
Registered Horse Power 22 Owners. Port belonging to
Nom. Horse Power as per Rule 0.5 M.N. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
Trade for which vessel is intended

0 & 28.4.50
P.7/16" S.
P.25/64" S
B.C.559 G.H
2.12
11.49.
9,16,20.1.5
3:50 & 6.4

sel were
in place
and at

11

of Shipping.

ENGINES, &c.—Description of Engines Type S.F.7. Vertical enclosed forced lubricated Revs. per minute 544
Dia. of Cylinders 5" Length of Stroke 4" No. of Cylinders One No. of Cranks One
Crank shaft, dia. of journals as per Rule App. 2.3/8" Crank pin dia 3" Mid-length breadth 4.7/8" Thickness parallel to axis
as fitted 1.7/16" Mid-length thickness 1.7/16" Thickness around eye-hole
Intermediate Shafts, diameter as per Rule Thrust shaft, diameter at collar as fitted
as fitted
Tube Shafts, diameter as per Rule Screw Shaft, diameter as fitted Is the tube shaft fitted with a continuous liner
as fitted
Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as fitted Is the after end of the liner made watertight in the
propeller boss If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner
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
If two liners are fitted, is the shaft lapped or protected between the liners Is an approved Oil Bland or other appliance fitted at the after end of the tube
at If so, state type Length of Bearing in Stern Bush next to and supporting propeller
Propeller, dia. Pitch No. of Blades Material whether Movable Total Developed Surface sq. feet
Feed Pumps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work
Bilge Pumps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work
Feed Pumps No. and size Pumps connected to the Main Bilge Line No. and size
How driven How driven
Ballast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size
Are two independent means arranged for circulating water through the Oil Cooler. Suctions, connected both to Main Bilge Pumps and Auxiliary
Bilge Pumps:—In Engine and Boiler Room
In Pump Room In Holds, &c.

Em
30/12/49

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges,
No. and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes
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
Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Overboard Discharges above or below the deep water line
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
What Pipes pass through the bunkers How are they protected
What pipes pass through the deep tanks Have they been tested as per Rule
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
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 Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers
Which Boilers are fitted with Forced Draft Which Boilers are fitted with Superheaters
No. and Description of Boilers Working Pressure
IS A REPORT ON MAIN BOILERS NOW FORWARDED?
IS A DONKEY BOILER FITTED? If so, is a report now forwarded?
Can the donkey boiler be used for other than domestic purposes
PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
(If not state date of approval)
Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

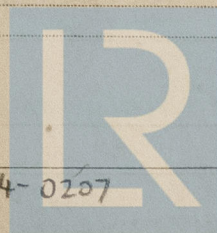
Has the spare gear required by the Rules been supplied The Rules do not apply to this size of engine.
State the principal additional spare gear supplied Spares.
One Set - Main bearings with bolts and nuts.
One pair - Crankpin brasses " " " "
One " - Crosshead " " " "
One - Eccentric strap " " " "
One - M.S. Crosshead.
One - Piston rod and nuts.
One - Valve rod complete.
One - Steel piston with L & C rings.

The foregoing is a correct description.

E. READER & SONS, LIMITED

Manufacturer.

012358-012364-0267



© 2021

Lloyd's Register
Foundation

10.8.49., 3.10.49., 22.10.49.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits 3

Dates of Examination of principal parts—Cylinders 3.10.49. Slides - Covers 3.10.49.
Pistons 3.10.49. Piston Rods 3.10.49. Connecting rods 3.10.49.
Crank shaft 3.10.49. Thrust shaft Intermediate shafts
Tube shaft Screw shaft Propeller
Stern tube Engine and boiler seatings Engines holding down bolts

Completion of fitting sea connections

Completion of pumping arrangements

Boilers fixed

Engines tried under steam

Main boiler safety valves adjusted

Thickness of adjusting washers

Crank shaft material O.H.S.

B.C. No. 276. W.H.

10.8.49.

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

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

If so, have the requirements of the Rules been complied with

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with

Is this machinery duplicate of a previous case.....If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

This engine has been built under Special Survey, in accordance with the Regulations of the British Corporation Register of Shipping and Aircraft; the materials and workmanship being good.

On completion the engine was run in the shops under light load conditions and found satisfactory.

The engine has been despatched to South Bank.

The amount of Entry Fee ... £ 4 : 0 :
Special ... £ : :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 30.11.49.
When received, 19.

H. Thorburn

Engineer Surveyor to Lloyd's Register of Shipping.

Date

FRI. 23 JUN 1950

Committee's Minute

See F.E. weekly rpt.



© 2021

Lloyd's Register Foundation