

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office JUN 24 1937

Date of writing Report 9-6-1937 When handed in at Local Office Schiedam 10 Port of Rotterdam
 No. in Survey held at Schiedam Date, First Survey 18-5-37 Last Survey 31-5-1937
 Reg. Book. 89765 on the "PLAYNIK" (Number of Visits 4)
 Built at Hamburg By whom built Schiffbau (v) S. Sch) a.g. Yard No. Tons ^{Gross} _{Net}
 Engines made at Hannover By whom made Hannoversche Masch A Engine No. When built 1922
 Boilers made at By whom made Boiler No. When made
 Registered Horse Power Owners Broclausko Akcionarsko Društvo Port belonging to Lusak
 Nom. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 Trade for which Vessel is intended 22 7/16 - 37 1/16 - 60 - 39 3/8 18516

ENGINES, &c.—Description of Engines Triple expansion Revs. per minute
 Dia. of Cylinders 540 X 940 X 1524 Length of Stroke 1000 No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 11.5 Crank pin dia. 300 Crank webs Mid. length breadth Thickness parallel to axis
 as fitted 300 Crank pin dia. 11.81 Mid. length thickness shrunk Thickness around eye-hole
 Intermediate Shafts, diameter as per Rule Thrust shaft, diameter at collars as per Rule 11.55
 as fitted 285 (at bearings) 280 as fitted 300 11.81
 Tube Shafts, diameter as per Rule Screw Shaft, diameter as per Rule
 as fitted as fitted 12 5/8 Is the ^{tube} shaft fitted with a continuous liner Yes
 Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule
 as fitted 2 3/32 as fitted 2 3/32 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
 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 Gland or other appliance fitted at the after end of the tube
 shaft If so, state type Length of Bearing in Stern Bush next to and supporting propeller 886
 Propeller, dia. 4600 Pitch 4150 No. of Blades 4 Material C 220 whether Moveable Solid Total Developed Surface 8.32 sq. feet
 Feed Pumps worked from the Main Engines, No. 2 Diameter 96 Stroke 500 Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 96 Stroke 500 Can one be overhauled while the other is at work Yes
 Feed Pumps ^{No. and size} Pumps connected to the ^{No. and size}
^{How driven} ^{Main Bilge Line} ^{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 to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room
 In Pump Room In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size **Independent Power Pump Direct Suctions to the Engine 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-holes, 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 Yes Are they fitted with Valves or Cocks valves, cocks
 Are they sized 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 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
 Is Forced Draft fitted 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?
 Is the donkey boiler intended to be used for domestic purposes only
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
 State the principal additional spare gear supplied

The foregoing is a correct description,

Manufacturer.



© 2020 Lloyd's Register Foundation

003474-003478-0257

Dates of Survey while building:

- During progress of work in shops - -
- During erection on board vessel - - -
- Total No. of visits

Dates of Examination of principal parts—Cylinders Slides Covers
 Pistons Piston Rods Connecting rods
 Crank shaft Thrust shaft Intermediate shafts
 Tube shaft Screw shaft Propeller
 Stern tube Engine and boiler seatings Engines holding down bolts
 Completion of fitting sea connections Boilers fixed Engines tried under steam
 Completion of pumping arrangements Thickness of adjusting washers
 Main boiler safety valves adjusted Identification Mark Thrust shaft material Identification Mark
 Crank shaft material Identification Marks Tube shaft, material Identification Mark
 Intermediate shafts, material Identification Mark Steam Pipes, material Test pressure Date of Test
 Screw shaft, material Identification Mark Is the flash point of the oil to be used over 150°F.
 Is an installation fitted for burning oil fuel 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.)
The above for the information of the Committee.

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 ... £	:	:	When applied for,
Special ... £	:	:	19
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	19

W. H. Bounce
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned

FRI 22 OCT 1937
 FRI 30 DEC 1938
No action / See Ask. J.E. 869



Rpt. 8.
 No. 31888
 Reg. J.
 GRO
 UNI
 NEI
 Sur
 WB
 tota
 of the
 girders
 La
 (Peri
 ca
 on
 an
 re
 th
 In da
 o
 REP
 Th
 fu
 su
 No
 gn
 th
 ch
 Th
 No
 SUMM
 PRESE
 Decks
 Caulkin
 Coamin
 Beams
 Outside
 Breasth
 Transon
 Frames
 Reverse
 Longitu
 Transve
 Floors
 Keelson
 Stringe
 Inner B
 Gen
 Pa
 Survey
 Special
 Travell
 second
 Com
 Cha