

Rpt. 4b.

REPORT ON OIL ENGINE MACHINERY.

No. 11536.

24 JUN 1953

Received at London Office

Date of writing Report 8th June, 1953 When handed in at Local Office 8th June, 1953 Port of HONG KONG
 No. in Survey held at Cheoy Lee Shipyard Date, First Survey 18th February, 1953 Last Survey 5th June, 1953.
 Reg. Book. Number of Visits 10

~~Single~~
~~on the Twin~~
~~Triple~~
~~Quadruple~~
 Screw vessel M.S. "SRI TINJAR" Tons Gross 256.7 Net 212.35
 Built at Hong Kong By whom built Cheoy Lee Shipyard Yard No. 603 When built 1953
 Engines made at Detroit, U.S.A. By whom made Detroit Diesel Engine Division P 6A-21662 When made 1952
 General Motors S 6A-21654
 Donkey Boilers made at - By whom made - Boiler No. - When made -
 Brake Horse Power 332 total Owners A. F. Clark, Esq. Port belonging to Hong Kong
 N. Power as per Rule 66 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No
 Trade for which vessel is intended Borneo Coasting Service

L ENGINES, &c. — Type of Engines General Motor Series 71 2 or 4 stroke cycle 2 Single or double acting Single
 Maximum pressure in cylinders 500 Diameter of cylinders 4 1/4" Length of stroke 5" No. of cylinders 6 No. of cranks 6
 Mean Indicated Pressure 94 Ahead Firing Order in Cylinders 1-5-3-6-2-4 Span of bearings, adjacent to the crank, measured
 from inner edge to inner edge 4.3/8" Is there a bearing between each crank Yes Revolutions per minute 1800 Engine
 Flywheel dia. - Weight - Moment of inertia of flywheel (lbs. in² or Kg. cm.²) - Means of ignition Comp. Kind of fuel used Diesel
 Crankshaft, Solid forged as per Rule 2.5/16" Mid. length breadth 4.5/8" Thickness parallel to axis -
 Semi built dia. of journals as fitted 3 1/2" Crank pin dia. 2.3/4" Crank webs Mid. length thickness 1" shrunk Thickness around eyehole -
 All built as per Rule 2.9/16" as fitted -
 Flywheel Shaft, diameter as fitted - Intermediate Shafts, diameter as fitted 2.5/8" Thrust Shaft, diameter at collars as fitted -
 Main Shaft, diameter as per Rule 3.1/16" as fitted 3.1/4" Is the screw shaft fitted with a continuous liner Approved
 as fitted 3.1/4" as C.L.
 Liners, thickness in way of bushes as per Rule 13/32" Thickness between bushes as fitted 13/32" Is the after end of the liner made watertight in the
 collar boss Yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner -
 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-
 flammable 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 shaft No If so, state type - Length of bearing in Stern Bush next to and supporting propeller 1'-1" in bush
 Propeller, dia 3'-4" Pitch 2'-9 1/2" No. of blades 3 Material Manganese Bronze whether moveable - Total developed surface 2.8 sq. feet
 Moment of inertia of propeller (lbs. in² or Kg. cm.²) - Kind of damper, if fitted -
 Method of reversing Engines reverse gear Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of
 lubrication Forced Thickness of cylinder liners .20" Are the cylinders fitted with safety valves No Are the exhaust pipes and sile
 with non-conducting material Both If the exhaust is led overboard near the waterline, what means are arranged to prevent wa-
 ter - Cooling Water Pumps, No Three Is the sea suction provided with an efficient strainer which can be cleared
 The Main Engines, No One Centrifugal Diameter 2 1/2" Stroke TYPE Can one be overhauled
 One from main engine One by aux. eng
 Special arrangements are made to deal with fire

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Lloyd's Register
Foundation

AIR RECEIVERS:—Have they been made under survey.....

Is each receiver, which can be isolated, fitted with a safety valve as per Rule.....

State No. of report or certificate.....

Can the internal surfaces of the receivers be examined and cleaned.....

Is a drain fitted at the lowest part of each receiver.....

Injection Air Receivers, No..... Cubic capacity of each.....

Internal diameter..... thickness.....

Seamless, welded or riveted longitudinal joint.....

Material.....

Range of tensile strength.....

Working pressure.....

by Rules.....

Starting Air Receivers, No.....

Total cubic capacity.....

Internal diameter.....

thickness.....

Actual.....

Seamless, welded or riveted longitudinal joint.....

Material.....

Range of tensile strength.....

Working pressure.....

by Rules.....

IS A DONKEY BOILER FITTED.....

No.....

If so, is a report now forwarded.....

Is the donkey boiler intended to be used for domestic purposes only.....

Approved.....

PLANS. Are approved plans forwarded herewith for shafting.....

Approved 14-4-53

Receivers.....

Approved 17-3-53

Donkey boilers.....

General pumping arrangements.....

Approved 20-4-53

Pumping arrangements in machinery space.....

20-4-53

Oil fuel burning arrangements.....

Makers requested to supply data 26-3-53

Date of approval.....

Have Torsional Vibration characteristics been approved.....

SPARE GEAR.

Has the spare gear required by the Rules been supplied..... Yes

State the principal additional spare gear supplied.....

The foregoing is a correct description,

CHEOY LEE SHIPYARD

Manufacturer.....

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - -

Feb. 5th, 18th, 25th, March 7th, 18th, 26th, Apr. 14th, 28th, May 4th, 8th, 13th, 18th, 27th, June 1st, 4th, 5th.

Total No. of visits.....

16

Dates of examination of principal parts—Cylinders..... 14-4-53 Covers..... 14-4-53 Pistons..... 14-4-53 Rods..... 14-4-53 Connecting rods..... 14-4-53

Crank shaft..... 14-4-53

Flywheel shaft.....

Thrust shaft.....

Intermediate shafts..... 14-4-53

Tube shaft.....

Screw shaft..... 4-6-53

Propeller.....

Stern tube.....

Engine seatings..... 4-5-53

Engine holding down bolts.....

18-5-53

Completion of fitting sea connections..... 8-5-53

Completion of pumping arrangements..... 1-6-53

Engines tried under working conditions.....

5-6-53

Material.....

Identification mark.....

Flywheel shaft, material.....

Identification mark.....

Material.....

Identification mark.....

Intermediate shafts, material.....

Identification mark.....

Identification mark.....

Screw shaft, material.....

Forged steel

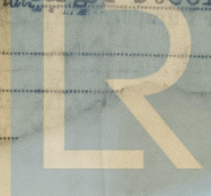
Identification mark..... Lloyd's H.A.A.

SPECIAL NOTATION

Timber Barge. Makers.....

Yes

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initial
Number of Certificate, Date of Test.



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