

REPORT ON OIL ENGINE MACHINERY.

No. 38911 B

31 JAN 1955

Received at London Office

Writing Report 10-12-1954 When handed in at Local Office 19 Port of Rotterdam

Survey held at Hallbommel Date, First Survey 10-6-53 Last Survey 10-11-1954 Number of Visits 14

Single Screw vessel MV Gili-Jang Tons Gross 997 Net 454

made at Amsterdam By whom built Huis 'de Waal' Yard No. 650 When built 1954

Boilers made at By whom made Werkspoor NV Engine No. 1795 When made 1954

Boiler No. 6 When made 6

Port belonging to Kaliangul

Owners Indonesian Government

Is Refrigerating Machinery fitted for cargo purposes. Is Electric Light fitted Yes

per Rule 276

or which vessel is intended Ocean going service

NGINES &c. Type of Engines T.M.A.S. 3960 2 or 4 stroke cycle 4 Single or double acting Single

um pressure in cylinders 50 kg/cm² Diameter of cylinders 390 mm Length of stroke 600 mm No. of cylinders 10 No. of cranks 10

Indicated Pressure 6.04 kg/cm² Span of bearings (i.e., distance between inner edges of bearings in a crank) 492 mm

Is there a bearing between each crank Yes

Revolutions per minute Maximum 275 Service

Means of ignition Compression Kind of fuel used Diesel

Weight 1240 kg Moment of inertia of flywheel (lbs. in² or Kg. cm²) 300 mm Crank pin dia. 155 mm

Mid. length breadth 700 mm Mid. length thickness 125 mm

Thrust Shaft, diameter at collars 395 mm

Shaft, diameter 320 mm

Is the tube screw shaft fitted with a continuous liner no

Is the after end of the liner made watertight in the

Is an approved Oil Gland fitted at the after

Length of bearing in Stern Bush next to and supporting propeller 1000 mm

Material Bronze whether moveable Total developed surface 40%

Kind of damper, if fitted

Is a governor or other arrangement fitted to prevent racing of the engine Yes

Are the cylinders fitted with safety valves Yes

Are the exhaust pipes and silencers water cooled

Are the exhaust pipes arranged to prevent water from being syphoned

Electric driven

Working F.W. 1200 mm

Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Can one be overhauled while the other is at work

No. and capacity of each 2 x 50 l/h

How driven Electric

If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping

Power Driven Lubricating Oil Pumps, including spare pump, No. and size 1 x 14 l/h + 1 x 15 l/h

Branch Bilge Suctions

In pump room

104" 10 3/2" 20 2 1/2"

20 2 1/2" + 20 2 3/4" in holds 20 2" steering engine room 10 2" chain locker 10 2 1/2" cofferdam

104" 10 3 1/2"

Are the bilge suction pipes in holds and tunnel well fitted with strum-boxes Yes

Are the bilge suction pipes in the machinery spaces led from easily

Are they fitted with valves or cocks Valves

Are they fixed

Are the overboard discharges above or below the deep water line Below

Are the blow off cocks fitted with a spigot and brass covering plate

How are they protected

Have they been tested as per Rule

all pipes, cocks, valves and pumps in connection with the machinery and all boiler mountings accessible at all times Yes

Is the shaft tunnel watertight

Is it fitted with a watertight door

worked from

wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

No. of stages 2 diameters 60-130 mm stroke 90 mm driven by Electric motor

No. of stages 2 diameters 75-85 mm stroke 70 mm driven by Aux. oil engine

How driven

Engine Nos. 3700-74-075-076 Ruston 13905 Kromhout

Position of each in engine room 3700-74-075-076 Ruston 13905 Kromhout

Report No. Nottingham 18616-17-18 Adam 19594

18/2/55

012221-012222-0118

AIR RECEIVERS:—Have they been made under survey Yes State No. of report or certificate D/L 7312-14
Spring loaded safety valve
Nottingham C19022

State full details of safety devices Spring loaded safety valve
Can the internal surfaces of the receivers be examined and cleaned Yes Is a drain fitted at the lowest part of each receiver Yes

Injection Air Receivers, No. ✓ Cubic capacity of each ✓ Internal diameter ✓ thickness ✓
Seamless, welded or riveted longitudinal joint ✓ Material ✓ Range of tensile strength ✓ Working pressure ✓

Starting Air Receivers, No. 2+1 bottle Total cubic capacity 5000+140 lb Internal diameter 7.68 in thickness 16 in
Seamless, welded or riveted longitudinal joint Welded Material St Steel Range of tensile strength 44.5-45.6 Working pressure 30 lb
Bottle 500 lb

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 ✓

PLANS. Are approved plans forwarded herewith for shafting 16-2-54 Receivers 16-2-54 Separate fuel tank ✓
(If not, state date of approval)

Donkey boilers ✓ General pumping arrangements 10-12-53 Pumping arrangements in machinery space 10-12-53

Oil fuel burning arrangements ✓

Have Torsional Vibration characteristics been approved Yes Date and particulars of approval 4-6-54

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes State if for "short voyages" only ✓

State the principal additional spare gear supplied Spark cast iron propeller. Spare tailshaft. Spare tailshaft bolts
11/10/54
AB 47

The foregoing is a correct description,

Manufacturer. MANUFACTURER
Dates of Survey while building
During progress of work in shops - ✓
During erection on board vessel - 16-53 7-15 8-24 1-22 28 8-17 19 5-18-26
Total No. of visits 14

Dates of examination of principal parts—Cylinders ✓ Covers ✓ Pistons ✓ Rods ✓ Connecting rods ✓

Crank shaft ✓ Flywheel shaft ✓ Thrust shaft 24/ 20/ Intermediate shafts 24/ 20/ Tube shaft ✓

Screw shaft 15- Propeller 15 Stern tube 14 Engine seatings 22/ 20/ Engine holding down bolts 12/ 10-

Completion of fitting sea connections 14 Completion of pumping arrangements 19 Engines tried under working conditions 18-26

Crank shaft, material ✓ Identification mark ✓ Flywheel shaft, material ✓ Identification mark ✓

Thrust shaft, material ✓ Identification mark ✓ Intermediate shafts, material St Steel Identification marks ✓

Tube shaft, material ✓ Identification mark ✓ Screw shaft, material St Steel Identification mark ✓

Identification marks on air receivers ✓ Both 97/100142 60403 TEST 300 PSI 14P 300 PSI 22-3-54 17 2684
11/10/54
AB 47

Welded receivers, state Makers' Name ✓

Is the flash point of the oil to be used over 150°F Yes

Have the requirements of the Rules for oil fuel pipes and tank fittings been complied with Yes

Full description of fire extinguishing apparatus fitted in machinery spaces 2 hoses with nozzles on deck and in hold, 2 portable foam extinguishers
4 ft 4 in high
4 ft 4 in high

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 ✓

What is the special notation desired ✓

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 no If so, state name of vessel ✓

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

The machinery of this vessel has been made and fitted in accordance with the approved plans, Secretary's letters and Society's Rules. Materials tested as required and workmanship found good.

Upon completion the machinery has been tried under full working conditions during a 1 day's trial trip by the North Sea when all was found to be in a good working and manoeuvring condition and in my opinion the machinery of this vessel merits the approval of the Committee to be recorded with the word of L.M.C. 11-54 oil engines in the Society's Register Book.

The amount of Entry Fee ... £ 1572.00

Special ... £

Donkey Boiler Fee... £

Travelling Expenses (if any) £ 157.00

When applied for 28.1 19 55

When received 19

A. Hassell
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

Assigned Su Rpt. 4 C.



© 2021
Lloyd's Register
Foundation