

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS. No. 8467.

Received at London Office - 8 FEB 1934

Writing Report 8-1-34 19... When handed in at Local Office 13-1-34 19... Port of Kobe

Survey held at Tama Date, First Survey 14-3-33 Last Survey 20-12-33 19...
 Book... Number of Visits 29

on the Single motor " AMAGISAN MARU " Tons {Gross 7624
Triple Screw vessel {Net
Quadruple

at Tama By whom built Mitsui Bussan Kaisha Yard No. 196 When built 1933

ers Mitsui Bussan Kaisha Port belonging to Kobe

Engines made at Tama By whom made Mitsui Bussan Kaisha Contract No. 196 When made 1933

erators made at Tokyo By whom made Shibaura Engineering Works Contract No. When made 1933

of Sets 3 Engine Brake Horse Power 200 Nom. Horse Power as per Rule Total Capacity of Generators 399 Kilowatts.

ENGINES, &c.—Type of Engines Mitsui B.W. Diesel Injection 2 or 4 stroke cycle 2 Single or double acting Single

imum pressure in cylinders 45 kg/cm² Diameter of cylinders 220 mm Length of stroke 370 mm No. of cylinders 4 No. of cranks 4

n of bearings, adjacent to the Crank, measured from inner edge to inner edge 284 mm Is there a bearing between each crank yes

olutions per minute 320 Flywheel dia. 1200 mm Weight 1550 kgs Means of ignition Compression Kind of fuel used Diesel Oil

ank Shaft, dia. of journals as per Rule... Crank pin dia. 150 mm Crank Webs Mid. length breadth Carceen Thickness parallel to axis 85 mm
 as fitted 150 mm Mid. length thickness 85 mm shank Thickness around eye-hole 20 mm

heel Shaft, diameter as per Rule... Intermediate Shafts, diameter as per Rule... Thickness of cylinder liners T. 18 mm
 as fitted... as fitted... B. 12 mm

a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication Forced

the cylinders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged

oling Water Pumps, No. 1 each 110 mm dia + 96 mm stroke Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

lubricating Oil Pumps, No. and size 1 each set + one spare Gear type 85 mm + 60 mm

r Compressors, No. — No. of stages — Diameters — Stroke — Driven by —

avenging Air Pumps, No. One Roots Blower Diameter 309.7 mm Length 419.6 mm Driven by Engine Direct

R RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule yes

n the internal surfaces of the receivers be examined yes What means are provided for cleaning their inner surfaces Manhole

here a drain arrangement fitted at the lowest part of each receiver yes

igh Pressure Air Receivers, No. — Cubic capacity of each — Internal diameter — thickness —

ainless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 28-32 Working pressure by Rules 25 kg

arting Air Receivers, No. One Air Bottle Total cubic capacity 300 litres Internal diameter 400 mm thickness 13 mm

ainless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 28-32 Working pressure by Rules 25 kg

ELECTRIC GENERATORS:—Type Compound D.C. Generator

ressure of supply 220 volts. Load 605 Amperes. Direct or Alternating Current Direct

alternating current system, state frequency of periods per second —

as the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes

enerators, do they comply with the requirements regarding rating yes are they compound wound yes

re they over compounded 5 per cent. yes , if not compound wound state distance between each generator —

an adjustable regulating resistance fitted in series with each shunt field yes Are all terminals accessible, clearly marked, and furnished with sockets yes

re they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched yes Are the lubricating arrangements of the generators as per Rule yes

ANS. Are approved plans forwarded herewith for Shafting 13-12-32 Receivers Separate Tanks

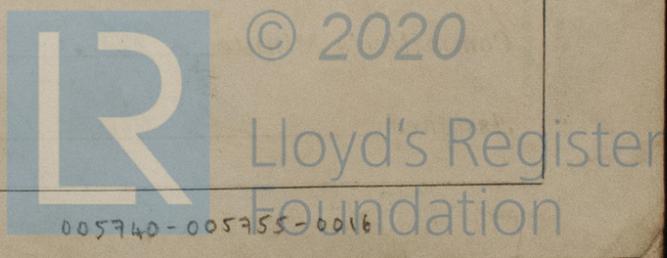
(If not, state date of approval)

ARE GEAR

As Required by the Rules

The foregoing is a correct description,

Mitsui Manufacturer.



Dates of Survey while building
 During progress of work in shops - - 1933 March 14-27. April 17-26. May 8-18-29. June 12-19-23-26-29. July 7-14-31. Aug 16-27.
 During erection on board vessel - - - Sept. 19-25. Oct. 5-13-21. Nov. 8. Dec.
 Total No. of visits 29

Dates of Examination of principal parts—Cylinders 18.5.33, 28.8.33 Covers 28.8.33 18.5.33 Pistons 18.5.33, 28.8.33 Piston rods -

Connecting rods 18.5.33, 27.7.33, 28.8.33 Crank and Flywheel shaft 29.6.33 Intermediate shaft -

Crank and Flywheel shaft, Material Steel Identification Mark LLOYD'S ABC Intermediate shafts, Material - Identification Marks -

Is this machinery duplicate of a previous case 29.6.33 H.A.S. If so, state name of vessel M.S. AZUMASAN MARU ✓

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

The machinery herein described has been constructed under special survey in accordance with the Rules and approved plans; the materials and workmanship are good. On completion the machinery was satisfactorily installed in the vessel, coupled to the generator and tested under full working conditions and parallel running and found to be efficient and reliable, in my opinion, for classification.

1m,7,20—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... Yen 450.- : When applied for, 8th Jan 1934
 Travelling Expenses (if any) £ See full : When received, 12th Jan 1934

A.B. Morrison
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute JUE. 13 FEB 1934
 Assigned See other Rpt Kob 8467

