

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 8783

2005 Val
Kob

Received at London Office -4 JAN 1935

Date of writing Report 19 When handed in at Local Office 19 Port of Nagasaki

No. in Survey held at Reg. Book. 90510 on the Single Twin Triple Quadruple Screw vessel "NOSHIRO MARU" Date, First Survey Last Survey 19 Number of Visits

Tons { Gross 7183.61 Net 4317.80

Built at Nagasaki By whom built Mitsubishi Jukogyo Kaisha Nagasaki Yard No. 581 When built 1934

Owners Nippon Yusen Kabushiki Kaisha. Port belonging to Tokio.

Oil Engines made at Kobe Works By whom made Mitsubishi Jukogyo K. Contract No. 464 When made

Generators made at Nagasaki Works By whom made Mitsubishi Denki K. Contract No. When made

No. of Sets 1 Engine Brake Horse Power 32 Nom. Horse Power as per Rule Total Capacity of Generators 20 Kilowatts.

OIL ENGINES, &c.—Type of Engines M.B. vert. trunk piston, MRW-2, 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 55 Kg/cm² Diameter of cylinders 150 mm Length of stroke 230 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 175 mm Is there a bearing between each crank yes

Revolutions per minute 650 Flywheel dia. 840 mm Weight 490 Kg. Means of ignition spark inj. Kind of fuel used Heavy oil.

Crank Shaft, dia. of journals as per Rule as fitted 92 mm Crank pin dia. 92 mm Crank Webs Mid. length breadth 136 mm Thickness parallel to axis shrunk Mid. length thickness 48 mm Thickness around eyehole

Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 19 mm

Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication forced feed.

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

Cooling Water Pumps, No. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes See Lis. 14/12/34

Lubricating Oil Pumps, No. and size 1 geared pump.

Air Compressors, No. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. Diameter Stroke Driven by

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

Can the internal surfaces of the receivers be examined yes What means are provided for cleaning their inner surfaces Hand hole

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

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

Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

Starting Air Receivers, No. 1 Total cubic capacity 35 liter Internal diameter 190 mm thickness 7.5 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material steel Range of tensile strength 28-35 t/c Working pressure by Rules 30 Kg/cm²

ELECTRIC GENERATORS:—Type 20 KW.

Pressure of supply 225 volts. Load 133 89 Amperes. Direct or Alternating Current D.C.

If alternating current system, state frequency of periods per second

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

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

are they over compounded 5 per cent. if not compound wound state distance between each generator

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

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

PLANS. Are approved plans forwarded herewith for Shafting 18-12-33 Receivers 30-11-33 Separate Tanks

SPARE GEAR

The foregoing is a correct description,

A. Nishikawa Manufacturer.



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Lloyd's Register Foundation

009256 - 009266 - 0075

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

1934 - Jan-30, Feb-2, 24, March-29, 31, April-9, 12, Aug-2, 13, 15.

Dates of Examination of principal parts—Cylinders 2-8-34 Covers 2-8-34 Pistons 31-3-34 Piston rods 2-8-34
 Connecting rods 30-1, 21-2, 9-4-34 Crank and Flywheel shaft 30-1, 21-24-2, 29-3-34 Intermediate shaft 12-4, 2-8-34

Crank and Flywheel shaft, Material Steel Identification Mark B No. 4006 KK 15-5-34 Intermediate shafts, Material Identification Marks

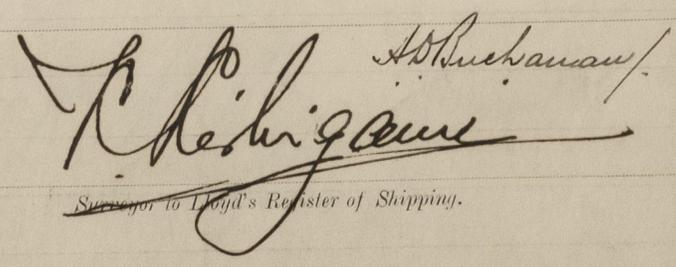
Is this machinery duplicate of a previous case Yes If so, state name of vessel Nagasaki ship, no. 580.

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. The machinery has been tried on the test bed under full load, overload and governor tests when connected to its generator, and all found satisfactory and eligible in my opinion for classification. The machinery have been shipped to their Nagasaki Works, where it is intended to install them on board ship No. 580.
 Stamped as follows:-

Mach No. 464
 LLOYDS
 No. 74 R
 KK 15-8-34

This machinery has been efficiently installed on board, and tried under full load, overload, governor and air compressing tests and found satisfactory.


 R. H. Gibson
 Surveyor to Lloyd's Register of Shipping.

The amount of Fee ¥ 150.- : When applied for, 19...
 Travelling Expenses (if any) £ : : When received, 13/11/34

Committee's Minute **TUE. 8 JAN 1935**
 Assigned See Vol. 76, 2005

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Im. 7, 26 - Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)