

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 115556

Received at London Office

23 SEP 1947

Date of writing Report 17-7-1947. When handed in at Local Office 21 JUL 1947 19 Port of Ipswich.

No. in Reg. Book. Survey held at Swinscoe Date, First Survey. Last Survey 11-7-1947. Number of Visits.

on the Single Twin Triple Quadruple Screw vessel M.V. "POLST JARNAN" ex. "M.M.S. 1006" Tons {Gross. Net.

Built at Lonsdale By whom built Richardson Ironworks Ltd. Yard No. 1006 When built.

Owners Njall Sunnlaugsson Port belonging to Dalvik

Oil Engines made at Munchali By whom made Sandnes Bru Ltd. Contract No. When made.

Generators made at. By whom made Mawdsley Ltd. Contract No. When made.

No. of Sets One Engine Brake Horse Power 60 Nom. Horse Power as per Rule. Total Capacity of Generators. Kilowatts.

OIL ENGINES, &c.—Type of Engines Heavy Oil 2 or 4 stroke cycle 4 Single or double acting single

Maximum pressure in cylinders. Diameter of cylinders 4 1/4" Length of stroke 6" No. of cylinders 6 No. of cranks 6

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 4 9/16" Is there a bearing between each crank Yes

Revolutions per minute 1000 Flywheel dia. Weight. Means of ignition Compression Kind of fuel used Kiesel

Crank Shaft, dia. of journals as per Rule. Crank pin dia. Crank Webs Mid. length breadth 4 1/4" Thickness parallel to axis. Mid. length thickness 1" Thickness round eyehole.

Flywheel Shaft, diameter as per Rule. Intermediate Shafts, diameter as per Rule. Thickness of cylinder liners.

Is a governor or other arrangement fitted to prevent racing of the engine when de-clutched Yes Means of lubrication Lubricated

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

Cooling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size One - geared

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

Scavenging Air Pumps, No. Diameter. Stroke. Driven by.

AIR RECEIVERS:—Have they been made under Survey. State No. of Report or Certificate.

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

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

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

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. Total cubic capacity. Internal diameter. thickness.

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

ELECTRIC GENERATORS:—Type Enclosed unitated

Pressure of supply. volts. Full Load Current. Amperes. Direct or Alternating Current Direct

If alternating current system, state the periodicity. Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown on and off Yes Generators, are they compounded as per Rule Yes is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets Yes Are 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

If the generators are under 100 kw. full load rating, have the makers supplied certificates of test. and do the results comply with the requirements.

If the generators are 100 kw. or over have they been built and tested under survey.

PLANS.—Are approved plans forwarded herewith for Shafting. Receivers. Separate Tanks.

SPARE GEAR

The foregoing is a correct description,

Manufacturer.



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Lloyd's Register Foundation

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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..... Covers..... Pistons..... Piston rods.....

Connecting rods..... Crank and Flywheel shafts..... Intermediate shafts.....

Crank shaft { Material..... Tensile strength.....
 Elongation..... Identification Marks.....

Flywheel shaft, Material..... Identification Marks.....

Is this machinery duplicate of a previous case..... Identification Marks.....

Identification marks on Air Receivers.....

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.).....

For the information of the Committee

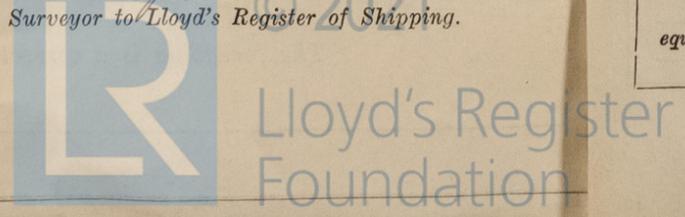
The amount of Fee ... £ *See report* { When applied for 19
 Travelling Expenses (if any) £ : : { When received 19

FRI, 21 NOV 1947

Committee's Minute.....

Assigned *See F.E. mch. rpt.*

Loyns
 Surveyor to Lloyd's Register of Shipping.



Im. 11, 12—T. (MADE AND PRINTED IN ENGLAND.)
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