

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 115556

Received at London Office

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

No. in Survey held at 111111 Date, First Survey Last Survey 11-7-1947.

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

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

Owners. Kjell Sunnlaugsson Port belonging to Dalvik.

Oil Engines made at Munich By whom made Sordun Bros Ltd. Contract No. When made.

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

No. of Sets 1 Engine Brake Horse Power 60 Nom. Horse Power as per Rule Total Capacity of Generators Kilowatts.

OIL ENGINES, &amp;c.—Type of Engines Navy Oil 2 or 4 stroke cycle Single or double acting

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

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

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

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

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

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

Cooling Water Pumps, No. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1 - forced

Air Compressors, No. 1 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 unit

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 Generators, are they compounded as per Rule 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

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 (If not, state date of approval)

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 ... £ ... When applied for ... 19

Travelling Expenses (if any) £ ... When received ... 19

FRI, 21 NOV 1947

Committee's Minute.....

Assigned See F.E. mch. rpt.

Surveyor to Lloyd's Register of Shipping.