

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 115556

Date of writing Report 17.7.1947. When handed in at Local Office 21 JUL 1947 Received at London Office 23 SEP 1947
 Port of Spelmich
 No. in Survey held at Wienhor Date, First Survey 11-7-1947
 on the Single Screw vessel M.Y. "POLST JARNAN" R. "MMS. 1006" Number of Visits 1
 at Louiselett By whom built Richards Ironworks Ltd. Yard No. 1006 When built 1947
 owners Hjall Sunnlaugsson Port belonging to Dalvik
 Engines made at By whom made Richards Ironworks Ltd. Contract No. When made
 Generators made at By whom made Richards Ironworks Ltd. Contract No. When made
 No. of Sets One Engine Brake Horse Power 50 Nom. Horse Power as per Rule Total Capacity of Generators Kilowatts

IL 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 1/2" Length of stroke 5 1/2" No. of cylinders 6 No. of cranks 6
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 7" x 12" Is there a bearing between each crank No
 Revolutions per minute 1000 Flywheel dia. Weight Means of ignition Compression Kind of fuel used Diesel
 Crank Shaft, dia. of journals as per Rule Crank pin dia. ✓ Crank Webs Mid. length breadth 4 1/4" Thickness parallel to axis ✓
as fitted Mid. length thickness 1 1/2" Thickness round eye-hole ✓
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners ✓
as fitted as fitted
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched In Means of lubrication Forced
 Are the cylinders fitted with safety valves In 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 In
 Lubricating Oil Pumps, No. and size One - Seared

Compressors, No. One No. of stages Two Diameters Stroke Driven by Engine
 Driven Air Pumps, No. ✓ Diameter Stroke Driven by ✓
AIR RECEIVERS:—Have they been made under Survey ✓ State No. of Report or Certificate ✓
 Each receiver, which can be isolated, fitted with a safety valve as per Rule ✓
 Are 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 ✓
unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules
 Driven Air Receivers, No. One Total cubic capacity 2 cub. ft. approx. Internal diameter 10" thickness 1/4"
unless, lap welded or riveted longitudinal joint Material Steel Range of tensile strength 36 ton (assumed) Working pressure by Rules 450 lb.

ELECTRIC GENERATORS:—Type Low speed unit type
 Voltage of supply volts Full Load Current Amperes Direct or Alternating Current Direct
 Alternating current system, state the periodicity ✓ Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown
 and off In Generators, are they compounded as per Rule In Is an adjustable regulating resistance fitted in series with each shunt field In
 Are all terminals accessible, clearly marked, and furnished with sockets In Are they so spaced ✓
 Are the generators shielded that they cannot be accidentally earthed, short circuited, or touched In Are the lubricating arrangements of the generators as per Rule In
 Are the generators under 100 kw. full load rating, have the makers supplied certificates of test ✓ and do the results comply with the requirements ✓
 Are the generators 100 kw. or over have they been built and tested under survey ✓

ANS.—Are approved plans forwarded herewith for Shafting ✓ Receivers ✓ Separate Tanks ✓
 (If not, state date of approval)

ARE GEAR

The foregoing is a correct description,

Manufacturer.



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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

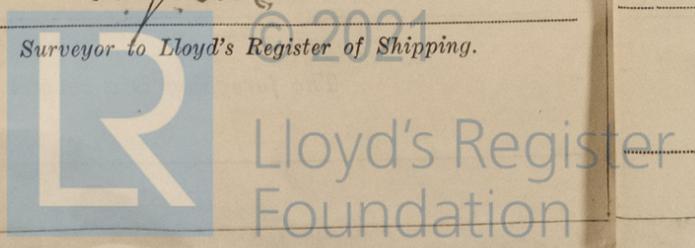
Wynne
 Surveyor to Lloyd's Register of Shipping.

21 NOV 1947

Committee's Minute.....

Assigned *See F.E. usky. rpt.*

Im. 11. 42.—T. (MADE AND PRINTED IN ENGLAND).
 (The Surveyors are requested not to write on or below the space for Committee Minute.)



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