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REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 20455

pt. 4c.

Received at London Office FEB 23 1938

Date of writing Report 19.2.38 When handed in at Local Office 19.2.38 Port of Trinity

No. in Survey held at Lincoln Date, First Survey 24.6.37 Last Survey 10.2.1938
Reg. Book. Number of Visits 12+3 4.6.38

39579 on the Single Screw vessel Amala Tons Gross 6256
Twin Triple Quadruple Net 3594

Built at Spain By whom built Santeri Rinisti Sall' Adriatico Yard No. 1202 When built 1938

Owners Anglo-Japan Oil Co. N.Y. "La Corona" Port belonging to Greenpeace

Oil Engines made at Lincoln By whom made Ruston & Hornsby, Ltd ENGINE Contract No. 186274 When made 1938

Generators made at Lincoln By whom made Ruston & Hornsby, Ltd Contract No. 186274 When made 1938

No. of Sets 1 Engine Brake Horse Power 60 Nom. Horse Power as per Rule 18.6 Total Capacity of Generators 1 Kilowatts.

Oil ENGINES, &c.—Type of Engines 2 VCRZ Vertical Sided Injection 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 400 Diameter of cylinders 8" Length of stroke 10 3/4" No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 9 1/8" Is there a bearing between each crank Yes

Revolutions per minute 450 Flywheel dia. 3'-4" Weight 19 Cwts. Means of ignition Compression Kind of fuel used Heavy oil

Crank Shaft, dia. of journals as per Rule Approved Crank pin dia. 4 3/4" Crank Webs Mid. length breadth 8" Thickness parallel to axis shrunk

Flywheel Shaft, diameter as per Rule Approved Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 3/4"

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

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

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. 61859 L No. of stages Two Diameters ✓ Stroke ✓ Driven by Engine

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. none 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. See Main 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 ✓

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

If alternating current system, state the periodicity ✓ Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off ✓

Generators, are they compounded as per rule ✓ Is an adjustable regulating resistance fitted in series with each ✓

Winding 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 11.11.32 Receivers ✓ Separate Tanks ✓

SHAFTING AND GEAR

As per Rule Requirements

RUSTON & HORNSBY, Limited
The foregoing is a correct description,

R. Lloyd

Manufacturer.

RUSTON & HORNSBY, Limited



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Foundation

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