

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 20696

1938

Date of writing Report 27. 8. 38 When handed in at Local Office 27. 8. 38 Port of Trinity
 No. in Survey held at Lincoln Date, First Survey 19. 7. 1937 Last Survey 18. 8. 1938
 Reg. Book. Lincoln Number of Visits 10

on the Single Screw vessel motor vessel "CORILLA" Tons { Gross _____ Net _____
 Built at Schiedam By whom built Messrs. Wilton-Lyonsford Yard No. 664 When built 1939
 Owners N. V. Petroleum Maats. "De Corona" Port belonging to 's Graveshage
 Oil Engines made at Lincoln By whom made Ruston & Hornsby, Ltd ENGINE Contract No. 190487 When made 1938
 Generators made at _____ By whom made _____ Contract No. _____ When made _____
 No. of Sets One Engine Brake Horse Power 60 Nom. Horse Power as per Rule 18.6 Total Capacity of Generators _____ Kilowatts.

OIL ENGINES, &c.—Type of Engines 3 VCRZ Vertical Solid Injection 2 or 4 stroke cycle 4 Single or double acting single
 Maximum pressure in cylinders 700 lbs. 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 cwt. Means of ignition Compression Kind of fuel used Heavy oil
 Crank Shaft, dia. of journals as per Rule Approved as fitted 6" Crank pin dia. 4 3/4" Crank Webs Mid. length breadth 8" Thickness parallel to axis _____
 Flywheel Shaft, diameter as per Rule Approved as fitted 6" Intermediate Shafts, diameter as per Rule _____ as fitted _____ 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 cooled
 Cooling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____
 Lubricating Oil Pumps, No. and size One geared.
 Air Compressors, No. _____ 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 _____
 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 shunt field _____
 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 _____
 (If not, state date of approval)

SPARE GEAR
As per Rule requirements

Ruston & Hornsby, Limited.
 The foregoing is a correct description,

R. Boyer Manufacturer.
 Oil & Gas Engines Dept.



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Dates of Survey while building { During progress of work in shops - - } 1937 Jul 19-22 Aug 9. 12-19 Sep 6. 20 1938 Jul 14. 21 Aug 18.
 { During erection on board vessel - - - }
 Total No. of visits 10

Dates of Examination of principal parts—Cylinders 18-8-38 Covers 18-8-38 Pistons 18-8-38 Piston rods ✓

Connecting rods 2-6-38 Crank and Flywheel shafts 21-7-38 Intermediate shafts ✓

Crank and Flywheel shafts, Material Steel Identification Marks LLOYD'S 3346-21-7-38 AS.

Intermediate shafts, Material ✓ Identification Marks ✓

Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case Yes If so, state name of vessel *Ins. Rpt. 20376.*

General Remarks (State quality of workmanship, opinions as to class, &c.)

This engine has been built under special survey in accordance with the Rules and approved plans.

The workmanship and materials are good.

Running tests have been carried out at the Maker's works with satisfactory results.

The engine is being despatched to Schiedam to the order of Messrs. Wilton-Reijnders, Holland.

Request for attached *Ins. Rpt. 20376*
of 4203/P/10.8967

per *Qms. Li.* £ *2.5*
 The amount of Fee ... £ *2* - - -
 { Travelling Expenses (if any) £ : :
charged monthly

When applied for, 29-8-1938.
 When received, *29/8/38*
 [C.C.4]

A. S. Knowles + J. H. Knowles.
 Surveyor to Lloyd's Register of Shipping.

FRI. 10 MAR 1939

Committee's Minute

Assigned

See FE made rpt



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