

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 30600^e

Date of writing Report 11-6-1940 When handed in at Local Office 19 Received at London Office Rotterdam 21 JUN 1940
 No. in Reg. Book 30199 Survey held at Schiedam Date, First Survey 10-8-40 Last Survey 7-6-1940
 on the Single Screw vessel Yacht VANDERSTENS Number of Visits 3
 Built at Schiedam By whom built Hilton-Tjenow Yard No. 715 When built 1940
 Owners Comitee 'Onze Floot' Port belonging to den Helder
 Oil Engines made at Dursley By whom made R.A. Lister Contract No. CS 56360 When made 1940
 Generators made at ✓ By whom made ✓ Contract No. ✓ When made ✓
 No. of Sets 1 Engine Brake Horse Power 18 Nom. Horse Power as per Rule ✓ Total Capacity of Generators ✓ Kilowatts.

OIL ENGINES, &c.—Type of Engines 2 JP
 Maximum pressure in cylinders 56.2 Diameter of cylinders 114.8 mm Length of stroke 139.7 mm No. of cylinders 2 No. of cranks 2
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 375.1 mm Is there a bearing between each crank Yes
 Revolutions per minute 1020 Flywheel dia. 635 Weight ✓ Means of ignition compressing Kind of fuel used diesel oil
 Crank Shaft, dia. of journals as per Rule Crank pin dia. 76.19 mm Crank Webs Mid. length breadth 128 mm Thickness parallel to axis ✓
as fitted 76.19 mm 3 Mid. length thickness 89 mm Thickness round eye-hole ✓
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 7.94 mm
as fitted as fitted as fitted Means of lubrication forced
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes
 Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material both
 Cooling Water Pumps, No. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
 Lubricating Oil Pumps, No. and size 1 120 L. A 1020 Rev.
 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 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 ✓
 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 as per Rule (If ngt, state date of approval)

The foregoing is a correct description,
 ✓
 Manufacturer.



Dates of Survey while building { During progress of work in shops - -)
 { During erection on board vessel - -)
 Total No. of visits.....

10/8 - 4-29/9 - 4/7

3

Dates of Examination of principal parts—Cylinders 10.8.47 Covers 4.9.47 Pistons 4.9.47 Piston rods

Connecting rods Crank and Flywheel shafts 29.9.47 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.) This engine has been opened up, exam'd throughout, cooling spaces tested, trial tests taken of crankshaft, results 70 kg. and has been satisfactorily fitted on board. Exam'd under working condition and found in good working order.

Im. 11, 42.-T (MADE AND PRINTED IN ENGLAND).

(The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £
 Travelling Expenses (if any) £

on main engine report

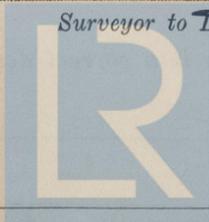
When applied for 19
 When received 19

W. Bruce

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 20 AUG 1948

Assigned



Lloyd's Register Foundation