

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 108410

Date of writing Report 27-2-1940 When handed in at Local Office 111 MAR 1940 Port of Spwich Received at London Office 11 MAR 1940
 No. in Survey held at Rowhedge Date, First Survey 20-2-40 Last Survey 27-2-1940
 Reg. Book. Rowhedge Number of Visits TWO

on the ^{Single} ~~Double~~ ~~Triple~~ ~~Quadruple~~ Screw vessel m.v. BEN HANN Tons { Gross 298
 Built at Rowhedge By whom built Rowhedge Ironworks, Ltd. Yard No. 585 When built 1940
 Owners National Bungal Co. Ltd. Port belonging to London
 Oil Engines made at Mancheski By whom made L. Sanderson & Son, Ltd. Contract No. 46607 When made 1939
 Generators made at Smuland By whom made Smuland Forge & Eng. Co. Contract No. 9026 When made 1939
 No. of Sets One Engine Brake Horse Power 9.5 Nom. Horse Power as per Rule 2.7 Total Capacity of Generators 5 Kilowatts.

OIL ENGINES, &c.—Type of Engines

Maximum pressure in cylinders _____ 2 or 4 stroke cycle _____ Single or double acting _____
 Diameter of cylinders _____ Length of stroke _____ No. of cylinders _____ No. of cranks _____
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge _____ Is there a bearing between each crank _____
 Revolutions per minute _____ Flywheel dia. _____ Weight _____ Means of ignition _____ Kind of fuel used _____
 Crank Shaft, dia. of journals _____ as per Rule _____ as fitted _____ Crank pin dia. _____ Crank Webs _____ Mid. length breadth _____ Thickness parallel to axis _____
 Flywheel Shaft, diameter _____ as per Rule _____ as fitted _____ Intermediate Shafts, diameter _____ as per Rule _____ as fitted _____ Thickness around eyehole _____
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched _____ Means of lubrication _____
 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. _____ Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____ In
 Lubricating Oil Pumps, No. and size _____
 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

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 _____

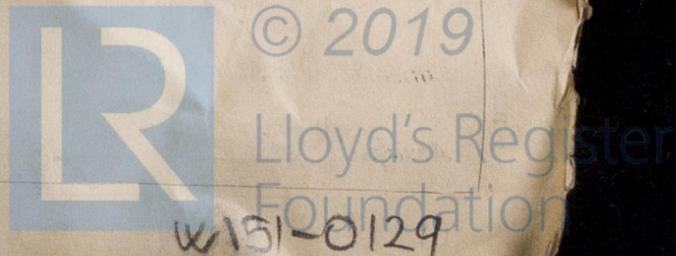
ELECTRIC GENERATORS:—Type

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 _____ In
 Generators, are they compounded as per rule _____ is an adjustable regulating resistance fitted in series with each _____
 Are all terminals accessible, clearly marked, and furnished with sockets _____ In
 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 _____ In
 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 _____ In
 If the generators are 100 kw. or over have they been built and tested under survey _____
 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.



Dates of Survey while building { During progress of work in shops - - }
 { During erection on board vessel - - - } 20. 2. 40, 27. 2. 40
 Total No. of visits Two

Dates of Examination of principal parts—Cylinders _____ Covers _____ Pistons _____ Piston rods _____
 Connecting rods _____ Crank and Flywheel shafts _____ Intermediate shafts _____
 Crank and Flywheel shafts, Material _____ Identification Marks _____
 Intermediate shafts, Material _____ Identification Marks _____
 Identification marks on Air Receivers _____

Is this machinery duplicate of a previous case No If so, state name of vessel _____

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

The electric generator set has been efficiently fitted on board this vessel and examined & tested under working conditions.

(Manchester Report No 9750.)

1m.11.37.—Transfer. (MADE IN ENGLAND.)
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee £	:	:	When applied for,
		 19.....
Travelling Expenses (if any) £	:	:	When received,
		 19.....

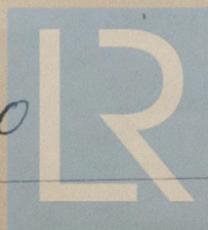
J. J. Sull
 Surveyor to Lloyd's Register of Shipping.

TUE 19 MAR 1940

Committee's Minute

Assigned

See Lon. J.E. 108410



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