

## 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

Received at London Office

111 MAR 1940

No. in Survey held at  
Reg. Book.

Rowhedge

Date, First Survey

20-2-40

Last Survey

27-2-1940

Number of Visits Two

Single  
on the ~~Two~~  
Triple  
Quadruple

Screw vessel

M.V. BEN HANN

Tons { Gross 298  
Net

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

Mancini

By whom made

L. Sanderson &amp; Son, Ltd.

Contract No.

46607 When made 1939

Generators made at

Sunduland

By whom made

Sunduland Forge &amp; 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, &amp;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 \_\_\_\_\_ Crank pin dia. \_\_\_\_\_ Crank Webs \_\_\_\_\_ Mid. length breadth \_\_\_\_\_ Thickness parallel to axis \_\_\_\_\_  
 as fitted \_\_\_\_\_ Mid. length thickness \_\_\_\_\_ shrunk \_\_\_\_\_ Thickness around eyehole \_\_\_\_\_  
 Flywheel Shaft, diameter \_\_\_\_\_ as per Rule \_\_\_\_\_ Intermediate Shafts, diameter \_\_\_\_\_ as fitted \_\_\_\_\_ Thickness of cylinder liners \_\_\_\_\_  
 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 \_\_\_\_\_  
 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 \_\_\_\_\_  
 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 \_\_\_\_\_  
 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 \_\_\_\_\_  
 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.



© 2019

Lloyd's Register  
Foundation

W151-0129



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 ... £ :  
 Travelling Expenses (if any) £ :

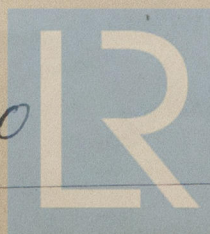
When applied for, 19...  
 When received, 19...

*J. J. Smith*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
 Assigned

TUE 19 MAR 1940

See Lon. J.E. 108410



© 2019

Lloyd's Register Foundation