

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 20928

JUL 19 1939

APR 11 1939

Date of writing Report

1939

When handed in at Local Office

Port of

Received at London Office

No. in Survey held at
Reg. Book.

Date, First Survey

Last Survey

Number of Visits

Single
on the ~~Twin~~
Triple
Quadruple

Screw vessel

M.V. Oscilla

Tons { Gross 6341
Net 1590.

Built at

By whom built

Yard No.

When built

Owners

Port belonging to

Oil Engines made at

By whom made

ENGINE

Contract No.

When made

Generators made at

By whom made

Contract No.

When made

No. of Sets

Engine Brake Horse Power

Nom. Horse Power as per Rule

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

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

shrink

Thickness around eyehole

Flywheel Shaft, diameter

as per Rule

Intermediate Shafts, diameter

as per Rule

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

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

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 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

(If not, state date of approval)

Receivers

Separate Tanks

SPARE GEAR

As per Rule requirements

The foregoing is a correct description.

Buston & Hornsby Limited,

B. W. Gosh

Manufacturer.

Oil & Gas Engine Dept.



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Lloyd's Register
Foundation

Dates of Survey while building { During progress of work in shops - - } 1938 Apr 13 29 May 16 19 June 5 7 Nov 11 24 1939 Jan 26 Feb 20 23 27 Mar 2 24 28 30
{ During erection on board vessel - - - }
Total No. of visits 16

Dates of Examination of principal parts—Cylinders 21-3-39 Covers 21-3-39 Pistons 21-3-39 Piston rods ✓

Connecting rods 26-1-39 Crank and Flywheel shafts 23-2-39 Intermediate shafts ✓

Crank and Flywheel shafts, Material Steel Identification Marks LLOYDS 3440-23-2-39 AS

Intermediate shafts, Material Hoening Identification Marks LLOYDS 3425-23-2-39 AS

Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case yes If so, state name of vessel Gun Rpr 20748

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 has been despatched to Messrs. H. V. C. van der Giesen & Zonen, Scheepswerven, Krimpun a/d Zee, Holland, for fitting on board the vessel.

95274/TIP/13/11055 - 38/3/19

Request from attached Gun Rpr to 20748

The amount of Fee ... £ 5 : —

When applied for, 6/4/39

Travelling Expenses (if any) £ :

When received, 14/7/39

(London C.A.)

Committee's Minute

FRI 28 JUL 1939

Assigned

See Rot. 76. 28393

A. Chulke

Surveyor to Lloyd's Register of Shipping.



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