

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10,293.

DEC 14 1940

Date of writing Report 9/12/40 19 When handed in at Local Office 19 Port of MANCHESTER

No. in Survey held at
Reg. Book.

Date, First Survey 28/10/40

Last Survey 29/11/40 19

Number of Visits 4

Single
on the Twin } Screw vessel 5/8" "TRADER"
Triple
QuadrupleTons { Gross
Net

Built at _____ By whom built _____ Yard No. _____ When built _____
Owners _____ Port belonging to _____
Oil Engines made at REDDISH By whom made CROSSLEY BROS ENGINE Contract No. 129579 When made 1940
Generators made at LIVERPOOL By whom made CAMPBELL & ISHERWOOD GENERATOR Contract No. 14596 When made _____
No. of Sets ONE Engine Brake Horse Power 8 Nom. Horse Power as per Rule _____ Total Capacity of Generators 5 Kilowatts.

OIL ENGINES, &c.—Type of Engines VERTICAL. PETROL/PARAFFIN 2 or 4 stroke cycle 4 Single or double acting SINGLE
Maximum pressure in cylinders 450 lb/sq. in. Diameter of cylinders 4" Length of stroke 4 1/2" No. of cylinders ONE No. of cranks ONE
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 3 1/16" Is there a bearing between each crank —
Revolutions per minute 1500 Flywheel dia. 19" Weight 178 lb. Means of ignition MAGNETO Kind of fuel used PARAFFIN
Crank Shaft, dia. of journals as per Rule APPROVED 2 3/8" with 1 1/4" hole Crank pin dia. 1 1/4" hole Crank Webs Mid. length breadth 3 1/2" Thickness parallel to axis SOLID
as fitted 3 1/4" & 100 7- Mid. length thickness — Thickness around eye-hole —
Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 28"
as fitted — as fitted —
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 NO Are the exhaust pipes and silencers water cooled or lagged with non-conducting material —
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 9/16" x 1/2" STROKE.
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 110 volts. Full Load Current 45.5 Amperes. Direct or Alternating Current DIRECT

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 YES

Generators, are they compounded as per rule YES 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 YES 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 YES (If not, state date of approval)

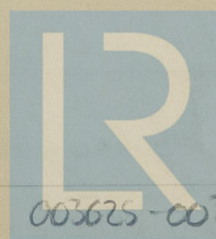
Receivers —

Separate Tanks YES

SPARE GEAR AS PER RULE REQUIREMENTS.

The foregoing is a correct description.
CROSSLEY BROTHERS LIMITED,

Manufacturer.



© 2020

Lloyd's Register

003625-003630-0079 Foundation

Dates of Survey while building { During progress of work in shops - - } 1940. OCTOBER 28 + 31. NOVEMBER 19 + 29.
 { During erection on board vessel - - - }
 Total No. of visits

Dates of Examination of principal parts—Cylinders 28/10/40 Covers 31/10/40 Pistons 31/10/40 Piston rods —
 Connecting rods 31/10/40 Crank and Flywheel shafts 19/11/40 Intermediate shafts —
 Crank and Flywheel shafts, Material O.H. STEEL Identification Marks LLOYDS 1278. 18/10/40. ELK.
 Intermediate shafts, Material — 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 built under special survey, of tested materials + in accordance with Secretary's letters, approved plans + Rule requirements.
 The materials used + the workmanship are of good quality, + the engine, when tested in the shop under full load conditions, gave satisfactory results.
 In my opinion, this engine is suitable to be placed on board a vessel classed with this Society, for the purpose intended.
 Copy of Generator Certificate attached hereto.

Im.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 ... £ 4 : 4 - :
 Travelling Expenses (if any) £ - 6/- :
 When applied for, 12/12/40
 When received, 19

S. Knowles.
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned See Glasgow F.E. report No 63260

