

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 104037

10 FEB 1937

Received at London Office

10 FEB 1937

Writing Report 9.2.37 When handed in at Local Office

Port of London

Survey held at Newbury

Date, First Survey 4 November 1936 Last Survey 9.7.37

Number of Visits

Single  
Twin  
Triple  
Quadruple

Screw vessel m/v. GRIT.

Tons { Gross 501  
Net 254

Greenock.

By whom built G. Brown & Co.

Yard No.

When built 1934/9

A. T. Leonard & Sons Ltd

Port belonging to London

Engines made at Newbury

By whom made Newbury Diesel Co. Ltd.

Contract No. 3246/A When made 1936

Engines made at

By whom made

Contract No.

When made

Engines 1. Engine Brake Horse Power 30. Nom. Horse Power as per Rule 8.5 Total Capacity of Generators Kilowatts.

Engines, &c. Type of Engines Diesel injection 2 or 4 stroke cycle 4 Single or double acting Single

Pressure in cylinders 700 lb/sq in Diameter of cylinders 10.5 in Length of stroke 15.2 in No. of cylinders 3 No. of cranks 3

Bearings, adjacent to the Crank, measured from inner edge to inner edge 12.8 in Is there a bearing between each crank 1/2

Revolutions per minute 1000 Flywheel dia. 63.4 in Weight 2.5 cwt Means of ignition Compression Kind of fuel used Heavy oil

Shaft, dia. of journals as per Rule 60.5 in as fitted 62 in Crank pin dia. 62 in Crank Webs Mid. length breadth 8.4 in Thickness parallel to axis

Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 10 in

Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness of cylinder liners 10 in

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foregoing is a correct description.

THE NEWBURY DIESEL CO. LTD.

Manufacturer.

SECRETARY.



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Lloyd's Register

W246-0135



Dates of Survey while building { During progress of work in shops - - 1936 Nov. 4. 1937 Feb. 9.  
 { During erection on board vessel - - -  
 { Total No. of visits

Dates of Examination of principal parts—Cylinders 4. 11. 36 Covers 4. 11. 36 Pistons 4. 11. 36 Piston rods  
 Connecting rods 4. 11. 36 Crank and Flywheel shaft 4. 11. 36 Intermediate shaft  
 Crank and Flywheel shafts, Material *S. S. Steel.* Identification Mark LLOYDS 6690  
MAB 26-10-36  
 Intermediate shafts, Material Identification Marks  
 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.) *Workmanship good.*  
 The materials used in the construction of this three cylinder auxiliary engine have been made at works approved by the Committee and tested by the Survey to this Society as required by the Rules and as far as can be seen they are sound and free from defects.  
 This engine has now been fitted and coupled to existing dynamo on board, tried under full load and found satisfactory.

Note: This engine is to replace a Remell Newberry engine No. 3143, original which was badly damaged. Its crank case, headplate & one cylinder from broken. one connecting rod bent & its bottom end bolts broken also one balance weight broken off a crank web. Unintentionally one part gave out first in bottom end bolts or Misses securing balance

Attached hereto. Copy of crank shaft forging certificate.

The amount of Fee ... £ 4. 4. 0 When applied for, 19 FEB 1937  
 Travelling Expenses (if any) £ : : When received, 19 FEB 1937  
 Committee's Minute FRI 19 FEB 1937  
 Assigned *As now*  
 Geo. A. Parnis and Edward Ford  
 Surveyors to Lloyd's Register of Shipping.