

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10597<sup>c</sup>

Received at London Office

Writing Report 7th May 1927 When handed in at Local Office

Port of AMSTERDAM

Survey held at AMSTERDAM

Date, First Survey 8th July '26 Last Survey 14th May 1927.

Book.

Number of Visits 14

990 on the Twin Screw vessel "A L E T T A"

Tons { Gross -  
Net -

at Dundee

By whom built Caledon Shipbuilding Co. Ltd. Yard No. 308 When built 1927

Anglo-Saxon Petroleum Co. Ltd.

Port belonging to -

Engines made at Amsterdam

By whom made Werkspoor

Contract No. - When made 1927

Generators made at -

By whom made -

Contract No. - When made -

of Sets 1 Engine Brake Horse Power 100 Nom. Horse Power as per Rule 29 Total Capacity of Generators - Kilowatts.

ENGINES, &amp;c. Type of Engines Diesel Engine 2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders 35 kg. p. cm. Diameter of cylinders 326 mm. Length of stroke 450 mm. No. of cylinders 2 No. of cranks 2

of bearings, adjacent to the Crank, measured from inner edge to inner edge 430 mm. Is there a bearing between each crank Yes

Revolutions per minute 250 Flywheel dia. 1900 mm. Weight 1940 kg. Means of ignition Self-ignition Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule 185 mm. Crank pin dia. 185 mm. Crank Webs Mid. length breadth 100 mm. Thickness parallel to axis 290 mm. Mid. length thickness 290 mm. Thickness around eyehole 290 mm.

Crank Shaft, diameter as per Rule 185 mm. Intermediate Shafts, diameter as per Rule 185 mm. Thickness of cylinder liners 185 mm.

governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced lubrication

the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

Working Water Pumps, No. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size 1

Compressors, No. 1 No. of stages 3 Diameters 100 x 550 x 400 mm. Stroke 220 mm. Driven by M. Shaft

Sucking Air Pumps, No. 1 Diameter 100 mm. Stroke 220 mm. Driven by 1

RECEIVERS: Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes

the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces with steam

Is there a drain arrangement fitted at the lowest part of each receiver Yes

High Pressure Air Receivers, No. 1 Cubic capacity of each 60 L. Internal diameter 243 mm. thickness 12 mm.

Seamless, lap welded or riveted longitudinal joint Hammer Material Steel Range of tensile strength 28/31 tons Working pressure by Rules 12 kg. cm.

Working Air Receivers, No. 1 Total cubic capacity 100 L. Internal diameter 100 mm. thickness 10 mm.

Seamless, lap welded or riveted longitudinal joint 1 Material 1 Range of tensile strength 1 Working pressure by Rules 1

ELECTRIC GENERATORS: Type Driven Air compressors

Pressure of supply 1 volts. Load 1 Amperes. Direct or Alternating Current 1

alternating current system, state frequency of periods per second 1

Is the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off 1

Generators, do they comply with the requirements regarding rating 1 are they compound wound 1

Are they over compounded 5 per cent. 1, if not compound wound state distance between each generator 1

an adjustable regulating resistance fitted in series with each shunt field 1 Are all terminals accessible, clearly marked, and furnished with sockets 1

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched 1 Are the lubricating arrangements of the generators as per Rule 1

ANS. Are approved plans forwarded herewith for Shafting 1 Receivers 1 in London Separate Tanks 1

ARE GEAR 1 Plan see list Attached

The foregoing is a correct description,

WERKSPOR

Manufacturer.



© 2020

Lloyd's Register  
Foundation

008115-008121-0102

Dates of Survey while building { During progress of work in shops - - 1926 2/4 23/2 10/9 24/9 2/10 26/10 1/11 2/11 14/11 24/11 23/12 1927 24/1  
During erection on board vessel - - - 4/5 27  
Total No. of visits 14

Dates of Examination of principal parts—Cylinders 23/4 - 23/12 Covers L Pistons 20/2 - 14/11 Piston rods L

Connecting rods 2/4 - 23/2 Crank and Flywheel shaft 10/9 - 4/11 Intermediate shaft L

Crank and Flywheel shaft, Material Steel Identification Mark 24 13 27 13. 26. 4. 26. Intermediate shafts, Material L Identification Marks L

Is this machinery duplicate of a previous case Yes If so, state name of vessel Argentina Rep. No. 10541

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

Engine made under Special Survey, in accordance with the Rules and Secretary's letter, workmanship good. The whole tested under full working conditions and good.

The amount of Fee ... £ :

Travelling Expenses (if any) £ :

When applied for,

19

When received,

19

Committee's Minute

Assigned

MAY 20 1927

See Report attached

P. V. Bennis

Surveyor to Lloyd's Register of Shipping.



© 2020

Lloyd's Register  
Foundation