

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15261.

Date of writing Report 29. 11. 1933 When handed in at Local Office 7. 12. 1933 Port of Southampton  
 No. in Survey held at Southampton Date, First Survey 11. 10. 33 Last Survey 24. 11. 1933  
 Reg. Book. Single on the Twin Triple Quadruple Screw vessel "ROCK" Tons { Gross 250 Net 250  
 Built at Newcastle-on-Tyne By whom built Robt. Hawthorne Leslie & Co Yard No. 591 When built 1933  
 Owners Free Trade Wharf Co. Ltd. Port belonging to London  
 Oil Engines made at Jeemie By whom made Peters Ltd. Contract No. T.O. 804 When made 1933  
 Generators made at Chelmsford By whom made Bampton Parkinson Contract No. F.A. 246 When made 1933  
 No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators 19 Kilowatts.

OIL ENGINES, &c. Type of Engines Peters Diesel 2 or 4 stroke cycle 2 Single or double acting Single  
 Maximum pressure in cylinders 700 lb Diameter of cylinders 5 3/4" Length of stroke 8 1/2" No. of cylinders 2 No. of cranks 2  
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 9 3/4" Is there a bearing between each crank Yes  
 Revolutions per minute 625 Flywheel dia. 33" Weight 480 lb Means of ignition Compression Kind of fuel used Diesel oil  
 Crank Shaft, dia. of journals as per Rule 3 1/4" Crank pin dia. 3 1/4" Crank Webs Mid. length breadth 4 5/8" Thickness parallel to axis shrunk  
 Flywheel Shaft, diameter as per Rule 3 1/2" Intermediate Shafts, diameter as per Rule Thickness around eyehole shrunk  
 Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Injected  
 Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged  
 Cooling 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 General type  
 Air Compressors, No. 1 No. of stages 1 Diameters 1 1/2" Stroke 1 1/2" Driven by Electric  
 Scavenging Air Pumps, No. 1 Diameter 1 1/2" Stroke 1 1/2" Driven by Electric

AIR RECEIVERS:—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. 1

Cubic capacity of each 100 cu ft

Internal diameter 18"

Thickness 1/2"

Seamless, lap welded or riveted longitudinal joint

Material Steel

Range of tensile strength 40,000 lb

Working pressure by Rules 150 lb

Starting Air Receivers, No. 1

Total cubic capacity 100 cu ft

Internal diameter 18"

Thickness 1/2"

Seamless, lap welded or riveted longitudinal joint

Material Steel

Range of tensile strength 40,000 lb

Working pressure by Rules 150 lb

ELECTRIC GENERATORS:—Type Compound wound Self exc type Bampton Parkinson  
 Pressure of supply 220 volts. Load 86.5 Amperes. Direct or Alternating Current Direct

If alternating current system, state frequency of periods per second

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

Generators, do they comply with the requirements regarding rating Yes

are they compound wound Yes

are they over compounded 5 per cent. No

, if not compound wound state distance between each generator

is an adjustable regulating resistance fitted in series with each shunt field Yes

Are all terminals accessible, clearly marked, and furnished with sockets Yes

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes

Are the lubricating arrangements of the generators as per Rule Yes

PLANS. Are approved plans forwarded herewith for Shafting

(If not, state date of approval) 4. 10. 33

Receivers

Separate Tanks

SHAFTING

The foregoing is a correct description,

Robertshaw

P.P. Peters & Co

Manufacturer.



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007714-007721-0292



