

Num. 735299 Engine: 415059

Auxiliary to class

pt. 4c.

REPORT ON OIL ENGINE ~~ELECTRIC GENERATOR SETS~~

No. 157.

3 DEC 6

Date of writing Report 16. Nov. 1936 When handed in at Local Office 19 Port of Busselburg
No. in Survey held at Cologne Date, First Survey 30. Oct. 1936 Last Survey 11. Nov. 1936
Reg. Book. Number of Visits

on the Single Screw vessel Tons { Gross
Twin }
Triple }
Quadruple }
Built at Alblasenham By whom built Messrs. Ny. De Noord Yard No. 562 When built 1936

Owners _____ Port belonging to _____
Oil Engines made at Cologne By whom made Messrs. Humboldt-Deutzmotoren A.G. Contract No. 735299 When made 1936
Generators made at _____ By whom made _____ Contract No. _____ When made _____
No. of Sets _____ Engine Brake Horse Power 15 Nom. Horse Power as per Rule 3.16 Total Capacity of Generators _____ Kilowatts.

OIL ENGINES, &c.—Type of Engines Heavy oil engine Type M.J.H. 322. 2 or 4 stroke cycle four Single or double acting single
Maximum pressure in cylinders 45 kg/cm² Diameter of cylinders 145 mm. Length of stroke 220 mm. No. of cylinders One No. of cranks One
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 176 mm. Is there a bearing between each crank Yes
Revolutions per minute 750 Flywheel dia. & 950 mm Weight 234 kg. each Means of ignition solid ignition Kind of fuel used _____

Crank Shaft, dia. of journals as per Rule _____ as fitted 75 mm. Crank pin dia. 75 mm. Crank Webs Mid. length breadth 112 mm. Thickness parallel to axis _____
Mid. length thickness 42 mm. Thickness around eye-hole _____
Flywheel Shaft, diameter as per Rule _____ as fitted _____ Intermediate Shafts, diameter as per Rule _____ as fitted _____ Thickness of cylinder liners 15 mm.

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication by pressure
Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material No

Cooling Water Pumps, No. No Is the sea suction provided with an efficient strainer which can be cleared within the vessel _____
Lubricating Oil Pumps, No. and size 1 pump driven by an electric motor.
Air Compressors, No. _____ No. of stages _____ Diameters _____ Stroke _____ Driven by _____
Scavenging Air Pumps, No. _____ Diameter _____ Stroke _____ Driven by _____

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. _____ 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 _____
L.A.N.S. Are approved plans forwarded herewith for Shafting 109510 G. 12. 2. 32. Receivers _____ Separate Tanks _____
(If not, state date of approval)

SHAFTING AND GEAR: _____
SHAFTING _____
GEAR _____
as per Rules.

Shipping. _____

The foregoing is a correct description,

Humboldt-Deutzmotoren
Aktiengesellschaft
Manufacturers

Manufacturer.



© 2020
Lloyd's Register
Foundation

002923-002928-0207

