

AUXILIARY

No. 111

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

015  
ing Report 25.5. 19 56 When handed in at Local Office 19 Port of Köln Received at London Office 15 JUL 1956  
Survey held at Köln-Deutz Date, First Survey 13.4.56 Last Survey 30.5. 1956  
Number of Visits 5  
Tons Gross - Net -  
on the Twin Triple Quadruple Screw vessel  
Hamburg By whom built Joh. Grothmann for Hongkong Yard No. - When built -  
Port belonging to -  
es made at Köln-Deutz By whom made Klöckner-Humboldt-Deutz Engine No. 2077388-93 When made 5.56  
Generator No. - When made -  
ble, s made at - By whom made - Capacity of each Generator - Kilowatts  
ts. - B.H.P. of each Set 90 M.N. of each Set as per Rule 18  
ended for essential services -  
GINES, &c.—Type of Engines Airl. Inj. Heavy Oil Eng. A6M 517 2 or 4 stroke cycle 4 Single or double acting single  
pressure in cylinders 70 kg/cm<sup>2</sup> Diameter of cylinders 130 mm Length of stroke 170 mm No. of cylinders 6 No. of cranks 6  
icated 7.2 kg/cm<sup>2</sup> Span of bearings (i.e., distance between inner edges of bearings in way of a crank) 137 mm  
essure 7.2 kg/cm<sup>2</sup> Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) 28.9 kgm<sup>2</sup> Revolutions per minute 1000  
a bearing between each crank yes " balance wts. " " " Kind of fuel used Diesel  
dia. 550 mm Weight 145 kg Means of ignition compr. Kind of fuel used Diesel  
Solid forged as per Rule Appr. 21.3.51 85 mm Mid. length breadth 130 mm Thickness parallel to axis -  
Semi-built dia. of journals 90 mm Crank pin dia. 32.5 mm shrunk Thickness round eye hole -  
All-built as fitted  
Bolted to flange Generator armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) -  
End of crankshaft as fitted  
ms provided to prevent racing of the engine yes Means of lubrication forced Kind of damper if fitted vibration damper  
cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes  
Water Pumps, No. and how driven - Is the sea suction provided with an efficient strainer which can be cleared within the vessel -  
ating Oil Pumps, No. and size One driven by Main Engine 45 ltrs. p. min.  
mpressors, No. - No. of stages - Diameters - Stroke - Driven by -  
g Air Pumps or Blowers, No. - How driven -  
RECEIVERS:—Have they been made under Survey - State No. of Report or Certificate -  
her than main engines -  
ull details of safety devices -  
4896 internal surfaces of the receivers be examined and cleaned -  
4898 a drain arrangement fitted at the lowest part of each receiver -  
7658  
Pressure Air Receivers, No. - Cubic capacity of each - Internal diameter - thickness -  
ss, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure -  
g Air Receivers, No. - Total cubic capacity - Internal diameter - thickness -  
ss, lap welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure -  
CTRIC GENERATORS:—Type -  
ire of supply - volts. Full Load Current - Amperes. Direct or Alternating Current -  
rnating current system, state the periodicity - Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown  
l off - Generators, are they compounded as per Rule - is an adjustable regulating resistance fitted in series with each shunt field -  
Are they so spaced -  
l terminals accessible, clearly marked, and furnished with sockets -  
hip elded that they cannot be accidentally earthed, short circuited, or touched - Are the lubricating arrangements of the generators as per Rule -  
d to generators are under 100 kw. full load rating, have the makers supplied certificates of test - and do the results comply with the requirements -  
inior generators are 100 kw. or over have they been built and tested under survey -  
he es of driven machinery other than generator -  
NS.—Are approved plans forwarded herewith for Shafting appr. 21.3.51 Receivers - Separate Tanks -  
(If not, state date of approval) No Armature shaft Drawing No. -  
Torsional Vibration characteristics if applicable been approved (State date of approval and name of previous duplicate case, if any)  
he spare gear required by the Rules been supplied yes

Klöckner-Humboldt-Deutz  
Aktiengesellschaft  
Manufacturer.



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