

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

Received at London Office 5 JUL 1956
Port of Köln
When handed in at Local Office 25.5. 19 56

Survey held at Köln-Deutz
Date, First Survey 13.4.56
Last Survey 30.5. 1956
Number of Visits 5

on the Single Screw vessel
Triple
Quadruple
By whom built Joh. Grothmann for Hongkong
Yard No. -
When built -

made at Köln-Deutz
By whom made Klöckner-Humboldt-Deutz
Engine No. 2077388-93
When made 5.56

made at -
By whom made -
Generator No. -
When made -
B.H.P. of each Set 90
M.N. of each Set as per Rule 18
Capacity of each Generator - Kilowatts

ended for essential services -
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/cm²
Diameter of cylinders 130 mm
Length of stroke 170 mm
No. of cylinders 6
No. of cranks 6

Span of bearings (i.e., distance between inner edges of bearings in way of a crank) 137 mm
Moment of inertia of flywheel (16 m² or Kg.-cm.²) 28.9 kgm²
Revolutions per minute 1000

Weight 145 kg
Means of ignition compr.
Kind of fuel used Diesel
Appr. 21.3.51
Crank pin dia 85 mm
Crank Webs
Mid. length breadth 130 mm
Thickness parallel to axis -

dia. of journals 90 mm
Crank pin dia 85 mm
Crank Webs
Mid. length thickness 32.5 mm
Thickness round eyehole -

Generator armature, moment of inertia (16 m² or Kg.-cm.²) -
End of crankshaft
Means of lubrication forced
Kind of damper if fitted vibration damper

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 -

Operating Oil Pumps, No. and size One driven by Main Engine 45 ltrs. p. min.
Compressors, No. -
No. of stages -
Diameters -
Stroke -
Driven by -

Operating Air Pumps or Blowers, No. -
How driven -
RECEIVERS: Have they been made under Survey -
State No. of Report or Certificate -

internal surfaces of the receivers be examined and cleaned -
a drain arrangement fitted at the lowest part of each receiver -
Pressure Air Receivers, No. -
Cubic capacity of each -
Internal diameter -
thickness -

Material -
Range of tensile strength -
Working pressure -
Total cubic capacity -
Internal diameter -
thickness -
Material -
Range of tensile strength -
Working pressure -

GENERATORS: Type -
Voltage of supply - volts
Full Load Current - Amperes
Direct or Alternating Current -
Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown off -

Generators, are they compounded as per Rule -
is an adjustable regulating resistance fitted in series with each shunt field -
Are they so spaced -
Terminals accessible, clearly marked, and furnished with sockets -
Are the lubricating arrangements of the generators as per Rule -

welded that they cannot be accidentally earthed, short circuited, or touched -
and do the results comply with the requirements -
generators are under 100 kw. full load rating, have the makers supplied certificates of test -
generators are 100 kw. or over have they been built and tested under survey -

of driven machinery other than generator -
Approved plans forwarded herewith for Shafting appr. 21.3.51
Receivers -
Separate Tanks -
Torsional Vibration characteristics if applicable been approved No
Armature shaft Drawing No. -

the spare gear required by the Rules been supplied yes

Klöckner-Humboldt-Deutz Aktiengesellschaft
Manufacturer.
Handwritten signature and date.



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