

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 88

Received at London Office
Reporting Report 4th Oct. 19 51 When handed in at Local Office 19 Port of Augsburg
Survey held at Munich Date, First Survey 14.8.51. Last Survey 3.10. 19 51
Number of Visits 3
on the Single Screw vessel. Tons { Gross .. Net ..
(Twin or Triple or Quadruple)
By whom built .. Yard No. .. When built ..
Hans Stiel of Hamburg Port belonging to ..
Engine No. 90494 When made 1951
Contract No. ..
By whom made Süddeutsche Bremsen A.G.
Contract No. .. When made ..
Engine Brake Horse Power 49 M.N. as per Rule .. Total Capacity of Generators .. Kilowatts.
ended for essential services ..

ENGINES, &c.—Type of Engines 1 x RHS 418 D No. 90494 2 or 4 stroke cycle 4 Single or double acting single
pressure in cylinders ca. 60 atm Diameter of cylinders 140 mm Length of stroke 180 mm No. of cylinders 3 No. of cranks 3
ring order in cylinders 1-3-2 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 136 mm
bearing between each crank yes Moment of inertia of flywheel (16 m² or Kg.-cm.²) 85 kg/m² Revolutions per minute 800
dia. 700 mm Weight 270 kgs. Means of ignition Bosch Kind of fuel used gas oil
aft, dia. of journals 115 mm Crank pin dia. 100 mm Crank Webs 152 mm Mid. length breadth 32 mm Thickness parallel to axis ..
as per Rule .. as fitted .. Mid. length thickness .. Thickness round eyehole ..
Shaft, diameter .. Intermediate Shafts, diameter .. General armature, moment of inertia (16 m² or Kg.-cm.²) ..
as per Rule .. as fitted ..
Means of lubrication forced Kind of damper if fitted ..
cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material water cooled

Water Pumps, No. 1 x 48 ltrs. / min Is the sea suction provided with an efficient strainer which can be cleared within the vessel ..
Oil Pumps, No. and size 1 x 1.4 m³/h
Compressors, No. .. No. of stages .. Diameters .. Stroke .. Driven by ..
Air Pumps, No. .. Diameter .. Stroke .. Driven by ..

RECEIVERS:—Have they been made under Survey .. State No. of Report or Certificate ..
Receiver, which can be isolated, fitted with a safety valve as per Rule ..
Internal surfaces of the receivers be examined .. What means are provided for cleaning their inner surfaces ..
drain arrangement fitted at the lowest part of each receiver ..
Pressure Air Receivers, No. .. Cubic capacity of each .. Internal diameter .. thickness ..
lap welded or riveted longitudinal joint .. Material .. Range of tensile strength .. Working pressure by Rules ..
Air Receivers, No. .. Total cubic capacity .. Internal diameter .. thickness ..
lap welded or riveted longitudinal joint .. Material .. Range of tensile strength .. Working pressure by Rules ..

ELECTRIC GENERATORS:—Type ..
of supply .. volts. Full Load Current .. Amperes. Direct or Alternating Current ..
Operating current system, state the periodicity .. Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown ..
Generators, are they compounded as per Rule .. is an adjustable regulating resistance fitted in series with each shunt field ..
Terminals accessible, clearly marked, and furnished with sockets .. Are they so spaced ..
that they cannot be accidentally earthed, short circuited, or touched .. Are the lubricating arrangements of the generators as per Rule ..
Generators are under 100 kw. full load rating, have the makers supplied certificates of test .. and do the results comply with the requirements ..
Generators are 100 kw. or over have they been built and tested under survey ..
driven machinery other than generator ..
Crankshaft Plan 26.10-23.1
Are approved plans forwarded herewith for Shafting approved 3.2.51. Receivers .. Separate Tanks ..
(If not, state date of approval) will be forwarded by Fa. .. Armature shaft Drawing No. ..
Special Vibration characteristics if applicable been approved .. Still, Hamburg, for the whole aggregate.
(state date of approval)

GEAR small items only ..

The foregoing is a correct description,
SÜDDEUTSCHE BREMSEN-A.G.
Manufacturer.



