

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 33445

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No. in Survey held at Heurden Date, First Survey 30/1/51 Last Survey 29/3 1951

Reg. Book. 91197 on the Single Twin Triple Quadruple Screw vessel MV. LEENDERT B Number of Visits 1

Gross 499.57 Net 272.56

Built at Heurden By whom built van der Haer & Pulemans Yard No. 259 When built 1951

Owners Geb. Brou NV Port belonging to Landrecht

Oil Engines made at Duisley By whom made R.A. Lister Ltd Contract No. 2579437 When made ✓

Generators made at ✓ By whom made ✓ Contract No. ✓ When made ✓

No. of Sets one Engine Brake Horse Power 12 M.N. as per Rule ✓ Total Capacity of Generators ✓ Kilowatts.

Set intended for essential services driving windlass and coffdam bilge pump.

OIL ENGINES, &c.—Type of Engines Heavy oil engine 2 or 4 stroke cycle ✓ Single or double acting single

Maximum pressure in cylinders ✓ Diameter of cylinders 4 1/2" Length of stroke 5 1/2" No. of cylinders 1 No. of cranks 1

Mean indicated pressure ✓ Firing order in cylinders ✓ Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 134 1/2"

Is there a bearing between each crank yes Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) ✓ Revolutions per minute 600

Flywheel dia. 600 mm Weight ✓ Means of ignition Compression Kind of fuel used burnt oil

Crank Shaft, dia. of journals as per Rule 2" Crank pin dia. 2 1/2" Crank Webs Mid. length breadth 3" Thickness parallel to axis ✓

as fitted 2" Mid. length thickness 1 1/2" shrunk Thickness round eyehole ✓

Flywheel Shaft, diameter as per Rule ✓ Intermediate Shafts, diameter as per Rule ✓ General armature, moment of inertia (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) ✓

Are means provided to prevent racing of the engine when declutched yes Means of lubrication grease Kind of damper if fitted ✓

Are the cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes

Cooling Water Pumps, No. ✓ Is the sea suction provided with an efficient strainer which can be cleared within the vessel ✓

Lubricating Oil Pumps, No. and size one rotary

Air Compressors, No. ✓ No. of stages ✓ Diameters ✓ Stroke ✓ Driven by ✓

scavenging Air Pumps, No. ✓ Diameter ✓ Stroke ✓ Driven by ✓

AIR RECEIVERS:—Have they been made under Survey ✓ State No. of Report or Certificate ✓

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 as per Rule when full 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 ✓

Details of driven machinery other than generator ✓

PLANS.—Are approved plans forwarded herewith for Shafting ✓ Receivers ✓ Separate Tanks ✓

Have Torsional Vibration characteristics if applicable been approved ✓ Armature shaft Drawing No. ✓

SHAFTING As per Rules

The foregoing is a correct description,

Manufacturer.



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