

Rpt. 4c.

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 4080

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Date of writing Report 19 When handed in at Local Office 19 Port of GALVESTON

No. in Survey held at Augsburg. Date, First Survey Last Survey 17/4 19 4/

Reg. Book. 83569 on the <sup>Single</sup> ~~Twin~~ ~~Triple~~ <sup>Quadruple</sup> Screw vessel <sup>a</sup> M/T. SKANDINAVIA " Tons { Gross 10044 Net 5786

Built at Hamburg. By whom built Deutsche Werft Yard No. 231 When built 1939

Owners The Texas Co (Norway) A/S. Port belonging to Oslo.

Oil Engines made at Augsburg. By whom made M.A.N. Contract No. - When made 1939

Generators made at " By whom made " Contract No. - When made 1939

No. of Sets 1 Engine Brake Horse Power 93 Nom. Horse Power as per Rule - Total Capacity of Generators 1 Diesel 55 1 Steam 35 Kilowatts.

OIL ENGINES, &c. Type of Engines Heavy oil 2 or 4 stroke cycle 4 Single or double acting S

Maximum pressure in cylinders 50 Kg/cm<sup>2</sup> Diameter of cylinders 220 mm Length of stroke 330 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 256 mm. Is there a bearing between each crank Yes

Revolutions per minute 400 Flywheel dia. - Weight - Means of ignition Compressor Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule - as fitted 130 mm Crank pin dia. 130 mm Crank Webs Mid. length breadth 240 mm Thickness parallel to axis - Mid. length thickness 61 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 -

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Forced pressure lub.

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material water cooled & lagged

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

Lubricating Oil Pumps, No. and size one gear wheel type

Air Compressors, No. 3 of stages Diameters - Stroke - Driven by one air compressor (3 stage) driven by steam & diesel

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 Supplied from main air receivers

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. none 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. 2 for main eng 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 115 volts Load 478 Amperes Direct or Alternating Current D.C.

If alternating current system, state frequency of periods per second -

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off -

Generators, do they comply with the requirements regarding rating - are they compound wound Yes

are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator -

is an adjustable regulating resistance fitted in series with each shunt field Yes Are all terminals accessible, clearly marked, and furnished with sockets Yes

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes

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

SPARE GEAR In excess of rule requirements.

Galveston, April 1941. The diesel & steam electric generating sets generally examined & under working conditions & all found satisfactory  
Wm Rennie

The foregoing is a correct description.

Manufacturer.



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