

RECEIVED

24 JUL 1950

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15625

IN DO.

of writing Report 26.6.50 19 When handed in at Local Office 28.6.50 19 Port of Glasgow

Survey held at Glasgow Date, First Survey Last Survey 19 Number of Visits

on the ^{Single} ~~Triple~~ ~~Quadruple~~ Screw vessel M. V. "British Consul" Tons Gross 8655 Net

at Glasgow By whom built Harland & Wolff Ltd Yard No 1399C When built 1950

ers British Tanker Co Ltd Port belonging to London

Engines made at Glasgow By whom made Harland & Wolff Ltd Contract No 1399C When made 1950

erators made at Belfast By whom made Harland & Wolff Ltd Contract No 1399C When made 1950

of Sets 2 Engine Brake Horse Power 10 x 2 M.N. as per Rule 245 x 2 Total Capacity of Generators 150 Kilowatts.

et intended for essential services Yes

ENGINES, &c.—Type of Engines Heavy B27 Perless Injection 2 or 4 stroke cycle Single or double acting Single

imum pressure in cylinders 800 LBS/SQ Diameter of cylinders 250 mm Length of stroke 500 mm No. of cylinders 5 No. of cranks 5

ut on indicated pressure 100 LBS/SQ Firing order in cylinders 1.5.2 Span of bearings adjacent to the Crank, measured from inner edge to inner edge 308 mm

ere a bearing between each crank Yes Moment of inertia of flywheel (16 m² or Kg.-m.²) 564.5 Revolutions per minute 500

heel dia 1140 mm Weight R.M. 1403 Kgs Means of ignition Compression Kind of fuel used Diesel B27

ank Shaft, dia. of journals as per Rule APPD as fitted 180 mm Crank pin dia 165 mm Crank Webs Mid. length breadth 230 mm Thickness parallel to axis 1

wheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted General armature, moment of inertia (16 m² or Kg.-m.²) 34.1

means provided to prevent racing of the engine when disconnected Yes Means of lubrication Forced Kind of damper if fitted None

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

Driven off engine 1 of 6 cu/rev/Hr. Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

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

oricator Oil Pumps, No. and size Driven off engine 1 of 2.6 cu/rev/Hr.

Compressors, No. Two No. of stages Two Diameters 280-245 mm Stroke 130 mm Driven by Steam

venting Air Pumps, No. None Diameter Stroke Driven by

R RECEIVERS:—Have they been made under Survey Yes State No. of Report or Certificate X. 142

ach receiver, which can be isolated, fitted with a safety valve as per Rule Yes

the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces APPROVED

here a drain arrangement fitted at the lowest part of each receiver Yes

h Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

mless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

rting Air Receivers, No. One Total cubic capacity 150 cu/rev Internal diameter 14 1/2" thickness 3/8"

mless, lap welded or riveted longitudinal joint Material Steel Range of tensile strength 28-32 1/2" Working pressure by Rules APPD

ELECTRIC GENERATORS:—Type Trip proof continuous rating. Compound wound.

ssure of supply 110 volts. Full Load Current 682 Amperes. Direct or Alternating Current Direct

lternating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown

nd off Yes Generators, are they compounded as per Rule is an adjustable regulating resistance fitted in series with each shunt field

all terminals accessible, clearly marked, and furnished with sockets. Are they so spaced

hielded that they cannot be accidentally earthed, short circuited, or touched. Are the lubricating arrangements of the generators as per Rule

he generators are under 100 kw. full load rating, have the makers supplied certificates of test. and do the results comply with the requirements

he generators are 100 kw. or over have they been built and tested under survey

ails of driven machinery other than generator None

ANS.—Are approved plans forwarded herewith for Shafting 19.6.48 Receivers APPD Belfast Separate Tanks 20.4.49

ve Torsional Vibration characteristics if applicable been approved Yes (Harland & Wolff 2500 R.P.M. 12/4/48) Armature shaft Drawing No.

ARE GEAR As per Rule, with additions.

The foregoing is a correct description,

For HARLAND AND WOLFF, LIMITED.

Manufacturer.



© 2020

Lloyd's Register Foundation

003106-003115-0174

Lloyd's Register
Foundation