

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS. No. 17660. 28 AUG 1950

Received at London Office

Date of writing Report 16th Aug. 1950. When handed in at Local Office 22nd Aug. 1950. Port of Gothenburg.

No. in Survey held at Uddevalla Date, First Survey 23rd January Last Survey 19th July 1950.
Reg. Book.

36036 on the ~~Twin~~ Screw vessel "ISLAS MALVINAS" Number of Visits 9 Tons 9822
~~XXXX~~ Gross
~~XXXXXX~~ Net 5565

Built at Uddevalla By whom built Uddevallavarvet A-B. Yard No. 111 When built 1950

Owners Argentine Government (Yacimientos Petroliferos Fiscales) Port belonging to Buenos Aires

Oil Engines made at St. Louis, Mo. By whom made Busch Sulzer Bros. ~~XXXXXX~~ No. 9236-0093 When made 1949

Generators made at Erie, Pa. By whom made Burke Electric Co. 164473-4-5-6/ No. 0098 When made 1949
Contract No. 0099

No. of Sets 4 Engine Brake Horse Power 465 M.N. as per Rule Total 465 Total Capacity of Generators 1280 Kilowatts.

Is Set intended for essential services Yes

OIL ENGINES, &c.—Type of Engines Heavy oil engine, solid injection, trunk type 4 Single or double acting Single

Maximum pressure in cylinders..... Diameter of cylinders..... Length of stroke..... No. of cylinders..... No. of cranks.....

Mean indicated pressure..... Firing order in cylinders..... Span of bearings, adjacent to the Crank, measured from inner edge to inner edge.....

Is there a bearing between each crank..... Moment of inertia of flywheel (16 m² or Kg.-cm.²)..... Revolutions per minute.....

Flywheel dia..... Weight..... Means of ignition..... Kind of fuel used.....

Crank Shaft, dia. of journals..... as per Rule..... Crank pin dia..... Crank Webs..... Mid. length breadth..... Thickness parallel to axis.....
as fitted..... Mid. length thickness..... shrunk..... Thickness round eyehole.....

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

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

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged
1 salt, 1 fresh. Also

Cooling Water Pumps, No. connected to the main Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
cooling system

Lubricating Oil Pumps, No. and size.....

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 auxiliary engines No separate receiver for the 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 Drip proof, compound, direct coupled

Pressure of supply 230 volts. Full Load Current 1391 Amperes. Direct or Alternating Current Direct

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 Yes Generators, are they compounded as per Rule --- 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

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..... Yes

Details of driven machinery other than generator..... Only generators

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

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

SPARE GEAR As per Rule applied ✓

The foregoing is a correct description,

UDDEVALLAVARVET

Signature

Manufacturer.



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