

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 18400

Survey Report 1st August 1951 When handed in at Local Office 10th August 1951 Port of Gothenburg Received at London Office 13 AUG 1951

Survey held at Uddevalla Date, First Survey 14th September, 1950 Last Survey 22nd June 1951

on the ~~XXXXXX~~ Screw vessel "ISLAS GEORGIA S" Number of Visits 5 Tons Gross 9893 Net 5634

Uddevalla By whom built Uddevallavarvet A-B. Yard No. 113 When built 1951

Yacimientos Petroliferos Fiscales Port belonging to Buenos Aires

No. 1 made at St. Louis, Mo., U.S.A. By whom made Busch-Sulzer Brothers Engine Nos. 9236 { 0096 0097 0102 0103 When made 1949

2 made at Erie, Pa., U.S.A. By whom made Burke Electric Co. Generator Nos. 164481-2-3-4 When made 1949

4 Engine Brake Horse Power 465 M.N. as per Rule Total 465 Total Capacity of Generators 1280 Kilowatts

needed for essential services Yes

GINES, &c.—Type of Engines Heavy oil engine, solid inj., trunk type 2 or 4 stroke cycle 4 Single or double acting Single

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

ated Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge

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

dia Weight Means of ignition Kind of fuel used

as per Rule Shaft, dia. of journals Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis

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

as fitted as fitted as fitted

s provided to prevent racing of the engine when declutched Means of lubrication Kind of damper if fitted

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

1 salt and 1 fresh. Also connected to Water Pumps, No. the main cooling system Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

ng Oil Pumps, No. and size 1 for each engine

ressors, No. No. of stages Diameters Stroke Driven by

g Air Pumps, No. Diameter Stroke Driven by

CEIVERS:—Have they been made under Survey No separate receivers for the aux State No. of Report or Certificate

ceiver, which can be isolated, fitted with a safety valve as per Rule eng.

nternal 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

ssure 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

ir Receivers, No. Total cubic capacity Internal diameter thickness

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

RIC GENERATORS:—Type Drip proof, compound, direct coupled

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

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

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

rminals accessible, clearly marked, and furnished with sockets Yes Are they so spaced

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

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

erators are 100 kw. or over have they been built and tested under survey Yes

driven machinery other than generator Only generators

Are approved plans forwarded herewith for Shafting Receivers Separate Tanks

(If not, state date of approval)

ional Vibration characteristics if applicable been approved Armature shaft Drawing No.

(state date of approval)

GEAR As per Rule supplied

The foregoing is a correct description,

LLAVARVET EBOLAG Manufacturer.



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011860-011868-0220

Dates of Survey while building { During progress of work in shops - - }
During erection on board vessel - - } 14th September, 1950 - 22nd June, 1951
Total No. of visits 5

Dates of Examination of principal parts—Cylinders. --- Covers. --- Pistons. --- Piston rods. ---

Connecting rods. --- Crank and Flywheel shafts. --- Intermediate shafts. ---

Crank shaft { Material. --- Tensile strength. ---
Elongation. --- Identification Marks. ---

Flywheel shaft, Material. --- Identification Marks. ---

Identification marks on Air Receivers. ---

Is this machinery duplicate of a previous case Yes If so, state name of vessel M/T "Islas Orcadas", Gothenburg F.E. Report

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These auxiliary engines have been fitted on board under my inspection and to my satisfaction and tested under full working power and found to work satisfactorily.

Please also see Cleveland, Ohio, Report No. 1348.

The amount of Fee ... £ --- : --- : --- (When applied for --- 19 ---
Travelling Expenses (if any) £ --- : --- : --- (When received --- 19 ---

FRI. 31 AUG 1951

Committee's Minute.

Assigned See Mckay F.E. Rpt.

Anders Sjögren
Surveyor to Lloyd's Register of Ships



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