

51965

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 12339

15 JUL 1931
2 DEC 1931

Writing Report 30 June 1931 When handed in at Local Office 19 Port of AMSTERDAM
Survey held at AMSTERDAM Date, First Survey 4 March 1931 Last Survey 5 June 1931
Number of Visits 4

on the Twin Triple Quadruple Screw vessel HARLAND & WOLFF, LTD. YARD NO. 909g "CONCH" Tons { Gross 11500
Net -
at Glasgow By whom built Harland & Wolff, Ltd. Yard No 909g When built 1931

Anglo Saxon Petroleum Co. Ltd. Port belonging to London
Engines made at Amsterdam By whom made N.V. Kromhout Motoren Fabriek Contract No. 6008 When made 1931

tors made at Sunderland By whom made Sunderland Forge & Eng. Co. Contract No. - When made 1931
Sets 1 Engine Brake Horse Power 26 Nom. Horse Power as per Rule 7 Total Capacity of Generators 16 Kilowatts

ENGINES, &c. Type of Engines Kromhout Oil En. m 2 or 4 stroke cycle Single or double acting
m pressure in cylinders 35 1/2 lb/cm² Diameter of cylinders 210 mm Length of stroke 245 mm No. of cylinders 1 No. of cranks 1
bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank -

ons per minute 390 Flywheel dia. 1100 mm Weight 1180 mm Means of ignition Compound kind of fuel used Diesel oil
as per Rule 44 as fitted 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis 3/16 in
Shaft, dia. of journals as fitted 110 mm Mid. length thickness 62 1/2 mm Thickness around eye-hole 3/16 in

el Shaft, diameter as per Rule - Intermediate Shafts, diameter as fitted - Thickness of cylinder liners -

rior or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced lubrication
cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes

Water Pumps, No. one Is the sea suction provided with an efficient strainer which can be cleared within the vessel -
ting Oil Pumps, No. and size one 2 feeds for cylinders and one for bearings, crank pin.

pressors, No. - No. of stages - Diameters - Stroke - Driven by -
ing Air Pumps, No. - Diameter - Stroke - Driven by -

RECEIVERS: - Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
ternal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces hand hole
rain arrangement fitted at the lowest part of each receiver Yes

ssure Air Receivers, No. - Cubic capacity of each - Internal diameter - thickness -
op welded or riveted longitudinal joint - Material - Range of tensile strength - Working pressure by Rules -

Air Receivers, No. 2 Total cubic capacity 2 x 45 L Internal diameter 250 mm thickness 4 mm
op welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 28/32 tons/sq Working pressure by Rules 46.8 kg/cm²

RIC GENERATORS: Type Sunduland for. En. Co
of supply 110 volts Load 145 Amperes Direct or Alternating Current Direct

ing current system, state frequency of periods per second -
automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off Yes

rs, do they comply with the requirements regarding rating Yes are they compound wound Yes
or compounded 5 per cent. Yes if not compound wound state distance between each generator -

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

Are approved plans forwarded herewith for Shafting Relays Receivers in London Separate Tanks
(If not, state date of approval) Secretary 1. 3. 31

GEAR

of piston rings, studs for cylinder covers, 1 set of bottom
brasses, bolts, 1 gudgeon pin, 2 steel flts, 1 fuel
pump complete, 2 feed jets, 1 combustion chamber,
rings, valves for fuel and cooling pumps, studs for
in bearing, keys, various packings.

RETAIN

The foregoing is a correct description.

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

Manufacturer.

L

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Dates of Survey while building
During progress of work in shops - 4/11, 19/1, 18/1, 19/4, 16/4, 2/5, 7/6, 30/6
During erection on board vessel - 4/11
Total No. of visits 4

Dates of Examination of principal parts - Cylinders 4/11 - 16/4 Covers 4/11 - 16/4 Pistons 4/11 - 16/4 Piston rods 4/11 - 16/4
Connecting rods 4/11 - 19/1 Crank and Flywheel shaft 4/11 - 16/4 Intermediate shaft 4/11 - 16/4

Crank and Flywheel shafts, Material Steel

Intermediate shafts, Material

Is this machinery duplicate of a previous case Yes If so, state name of vessel Ex. no. 5415. Amul Reg. of

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engine has been constructed in accordance with the Rules and Surveyor's letter and approved for all material tested as required and workmanship good.

The engine has been tested under full working conditions on test bench, good.

Forwarded to Messrs. Harland, Wolff & Co. Glasgow for S.S. Mearns

1m. 9.28 - Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 180/-
Travelling Expenses (if any) £ 9/-
When applied for, 19...
When received, 31. 7. 31

F. N. Bemmie
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 1-DEC 1931

Assigned SEE ACCOMPANYING MACHINERY REPORT.
(Ex. No. 51965)



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