

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 12127

2nd DEC 1930

Date of writing Report 15 Dec 1930 When handed in at Local Office AMSTERDAM Port of AMSTERDAM Received at London Office

No. in Survey held at AMSTERDAM Date, First Survey 11 June Last Survey 15 Dec 1930

Reg. Book. Single on the Twin Screw vessel NEDERLANDSCHE DOK MY'S YARD NO. 38 Number of Visits 9

Built at Amsterdam By whom built Nederlandsche Dok My. Yard No. 38 When built 1930

Owners Anglo Saxon Petroleum Co. Ltd. Port belonging to London

Oil Engines made at Amsterdam By whom made N.V. Kromhout Motoren Fabriek No. 5726, type 2-HS-4 When made 1930

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

No. of Sets 1 Engine Brake Horse Power 90 Nom. Horse Power as per Rule 26 Total Capacity of Generators - Kilowatts.

OIL ENGINES, &c.—Type of Engines Steam and oil engine 2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders 35 1/4 cm² Diameter of cylinders 265 mm Length of stroke 350 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 397 mm Is there a bearing between each crank Yes

Revolutions per minute 320 Flywheel dia. 1300 mm Weight 1450 kg Means of ignition compressed air Kind of fuel used Gas oil

Crank Shaft, dia. of journals as per Rule 155 mm Crank pin dia. 135 mm Crank Webs Mid. length breadth 180 mm Thickness parallel to axis shrink Mid. length thickness 46 mm Thickness around eye hole Shrink

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

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication grease

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

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

Lubricating Oil Pumps, No. and size one of 4 feeds one for bearings, crank pins

Air Compressors, No. one No. of stages 2 Diameters 2 Stroke 2 Driven by 2

Scavenging Air Pumps, No. 2 Diameter 2 Stroke 2 Driven by 2

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule 2

Can the internal surfaces of the receivers be examined 2 What means are provided for cleaning their inner surfaces -

Is there a drain arrangement fitted at the lowest part of each receiver 2

High Pressure Air Receivers, No. 2 Cubic capacity of each 2 Internal diameter 2 thickness 2

Seamless, lap welded or riveted longitudinal joint 2 Material 2 Range of tensile strength 2 Working pressure by Rules 2

Starting Air Receivers, No. 2 Total cubic capacity 2 Internal diameter 2 thickness 2

Seamless, lap welded or riveted longitudinal joint 2 Material 2 Range of tensile strength 2 Working pressure by Rules 2

ELECTRIC GENERATORS:—Type Driving Steam air compressor and Diesel engine

Pressure of supply 2 volts. Load 2 Amperes. Direct or Alternating Current Worm gear

If alternating current system, state frequency of periods per second 2

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off 2

Generators, do they comply with the requirements regarding rating 2 are they compound wound 2

are they over compounded 5 per cent. 2, if not compound wound state distance between each generator 2

is an adjustable regulating resistance fitted in series with each shunt field 2 Are all terminals accessible, clearly marked, and furnished with sockets 2

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched 2 Are the lubricating arrangements of the generators as per Rule 2

PLANS. Are approved plans forwarded herewith for Shafting Reference Receivers to London Separate Tanks office

(If not, state date of approval) Letter 7.3.30. 2.3.4.50

SPARE GEAR One set of fuel pump, Springs for fuel pump, valves and cam for fuel pump, 1 set of valves for air casing, 4 fuel fits, 2 governor springs, 2 springs for starting air valves, 6 packing rings, 1 set of valves for circulating pumps, 1 piston with rings, 24 piston rings, 2 pump rams, 2 bottom end boxes and bolts, 1 gudgeon pin, 1 steel slab for same, 1 cylinder head with valves complete, 1 fuel pump and 2 cams.

The foregoing is a correct description.

N.V. KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr.

[Signature]

Manufacturer.



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Lloyd's Register Foundation

WT042-0096

Dates of Survey while building: During progress of work in shops - 11/6, 4/6, 21/8, 23/9, 25/9, 23/9, 9/10, 7/11, 2/12
 During erection on board vessel -
 Total No. of visits 9

Dates of Examination of principal parts - Cylinders 11/6 - 21/8 Covers 11/6 - 21/8 Pistons 11/6 - 21/8 Piston rods <
 Connecting rods 16/6 - 23/9 Crank and Flywheel shaft 16/6 - 23/9 Intermediate shaft <

Crank and Flywheel shafts, Material *Steel* Identification Mark *F.S. 14.5.30 No. 415 Lloyd's*
 Intermediate shafts, Material < Identification Marks <

Is this machinery duplicate of a previous case *No* If so, state name of vessel *Eng. No. 5850. Amst. Reg. No. 12084*

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

*The engines have been constructed in accordance with the Rules Secretary's letters and approved plans.
 All material tested as required and workmanship good.
 The engines have been tested on bench under full working conditions and found.*

10/10/28 - Transfer.
 The Surveyors are requested not to write on or within the space for Committee Minute.
 J. G. ...

The amount of Fee	£ 200. -	When applied for,	19
Travelling Expenses (if any) £	6. 50	When received,	29. 12. 30

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

Committee's Minute **TUE. 25 AUG 1937**
 Assigned *See Amst. 76 12375*



Rpt. 5a.
 Date of writing
 No. in Reg. Book. 14007
 Master
 Engines made
 Boilers made
 Nominal Horsepower
 MULTIPLE
 Manufacture
 Total Heating Surface
 No. and Description of Tubes
 Tested by
 Area of Fire
 Area of each
 In case of double
 Smallest diameter
 Smallest diameter
 Largest internal
 Thickness
 long. seams
 Percentage
 Percentage
 Thickness of
 Material
 Length of
 Dimensions
 End plates
 How are secured
 Tube plates
 Mean pitch
 Girders to
 at centre
 in each
 Tensile strength
 Pitch of stay
 Working pressure
 Thickness
 Pitch of stay
 Working pressure
 Diameter
 Working pressure
 Diameter