

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11205

Date of writing Report 18 Dec 1928 When handed in at Local Office 19 Port of AMSTERDAM Received at London Office 31 DEC 1928
 No. in Survey held at AMSTERDAM Date, First Survey 14 October Last Survey 21 Dec 1928
 Reg. Book. Number of Visits 8

on the Single XXXXXXX OIL ENGINE NO. 4975 for a 340 Tons Tanker Tons { Gross -
 { Net -
 { to dash
 { 164
 { 120 When built

Built at Kobe By whom built Mitsui Bussan Kaisha Co. Ltd. Yard No. 120

Owners Nederl. Indische Tank Stoomboot My. Port belonging to Rotterdam

Oil Engines made at Amsterdam By whom made Kromhout Motoren Fabriek Contract No. - When made 1928

Generators made at By whom made Sunderland Forge & Eng. Co. Contract No. - When made 25

No. of Sets 1 Engine Brake Horse Power 15 Nom. Horse Power as per Rule 4 Total Capacity of Generators 3 Kilowatts.

OIL ENGINES, &c. Type of Engines Horizontal belt driven 4975 2 or 4 stroke cycle Single or double acting
 Maximum pressure in cylinders 18 kg/cm² Diameter of cylinders 196 mm Length of stroke 245 mm No. of cylinders 1 No. of cranks 1
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 216 mm Is there a bearing between each crank Yes
 Revolutions per minute 500 Flywheel dia. 950 mm Weight 500 kg Means of ignition Ignition plug Kind of fuel used Crude oil

Crank Shaft, dia. of journals as per Rule Crank pin dia. 45 mm Crank Webs as per Rule Mid. length breadth 110 mm Thickness parallel to axis shrunk
 as fitted 45 mm Mid. length thickness 45 mm Thickness around eyehole 16 mm

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners as fitted
 as fitted 40 mm as fitted as fitted

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

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. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size Friedman lubrication pump 5 feet

Air Compressors, No. 1 No. of stages 1 Diameters 1 Stroke 1 Driven by 1

Scavenging Air Pumps, No. 1 Diameter 1 Stroke 1 Driven by 1

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

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

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

High Pressure Air Receivers, No. 1 Cubic capacity of each 1 Internal diameter 1 thickness 1

Seamless, lap welded or riveted longitudinal joint 1 Material 1 Range of tensile strength 1 Working pressure by Rules 1

Starting Air Receivers, No. 1 Total cubic capacity 40 L Internal diameter 103 mm thickness 4 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 44/50 kg Working pressure by Rules 100 lb

ELECTRIC GENERATORS: Type 1. Sunderland for dynamo

Pressure of supply 24 volts. Load 24 Amperes. Direct or Alternating Current Direct

If alternating current system, state frequency of periods per second 1

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

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

are they over compounded 5 per cent. Yes if not compound wound state distance between each generator 1

is an adjustable regulating resistance fitted in series with each shunt field 1 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 1 Are the lubricating arrangements of the generators as per Rule Yes

PLANS. Are approved plans forwarded herewith for Shafting Receivers in London Separate Tanks Office

SPARE GEAR 1 piston complete, 1 combustion chamber, 1 set of piston rings,

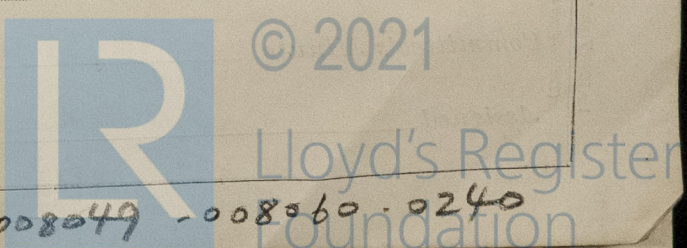
1 gudgeon pin, 1 roller plate, 3 ignition plates, 1 set of bottom end bearing,

bolts, 1 set of main bearing, bearing, bolts, 1 burner for repair heater,

1 fuel pump, various lengths of tubes.

The foregoing is a correct description,

J.P. N.V. KROMHOUT MOTOREN FABRIEK
 D. GOEDKOOP Jr. Manufacturer.



Checked 10/1/29

Dates of Survey while building { During progress of work in shops - - } 14/10. 19/10. 22/10. 1/11. 19/11. 24/11. 6/12. 9/12.
 { During erection on board vessel - - - } L
 Total No. of visits S

Dates of Examination of principal parts—Cylinders 14/10 - 24/11 Covers 14/10 - 24/11 Pistons 14/10 - 24/11 Piston rods L

Connecting rods 14/10 - 19/11 Crank and Flywheel shaft 14/10 - 1/11 Intermediate shaft L

Crank and Flywheel shaft, Material Steel Identification Marks Lloyd's 1.15.28 Intermediate shafts, Material L Identification Marks L

Is this machinery duplicate of a previous case Yes If so, state name of vessel Yes. Amal Rep. No. 10923

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

The oil engine has been constructed under special survey & accordance with the approved plans and Secretary's letter. All material tested as required, workmanship good. Engines tried under full working conditions on test bench and good.

H. W. Bennett

The amount of Fee ... £ 120 - - : When applied for, 19...
 Travelling Expenses (if any) £ 6 - - : When received, 15.1.29 19...

H. W. Bennett
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 21 FEB 1930

Assigned See Kobe 6719