

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 11205

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

on the Single XXXXXXX OIL ENGINE NO. 4975 for a 340 Tons Tanker Tons to dash
 Triple XXXXXXX Net 164
 Quadruple XXXXXXX Gross 180
 Built at Kobe By whom built Mitsui Bussan Kaisha Co. Ltd. Yard No. 120 When built 1928

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 Amsterdam By whom made Sunderland Forge & Eng. Co. Contract No. - When made 1925
 No. of Sets 1 Engine Brake Horse Power 15 Nom. Horse Power as per Rule 4 Total Capacity of Generators 3 Kilowatts.

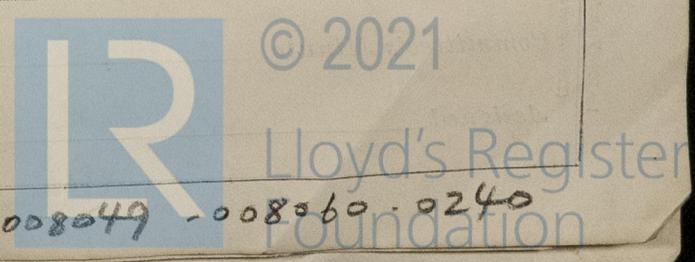
OIL ENGINES, &c.—Type of Engines Horizontal, belt driven, 4975 2 or 4 stroke cycle 2 Single or double acting Single
 Maximum pressure in cylinders 18 kg/cm² Diameter of cylinders 196 mm Length of stroke 205 mm No. of cylinders 1 No. of cranks 1
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 216 mm Is there a bearing between each crank Yes
 Revolutions per minute 500 Flywheel dia. 450 mm Weight 500 kg Means of ignition Ignition plates Kind of fuel used Crude oil
 Crank Shaft, dia. of journals 45 mm Crank pin dia. 45 mm Crank Webs 110 mm Mid. length breadth 110 mm Thickness parallel to axis shrink
 as fitted 45 mm Mid. length thickness 45 mm Thickness around eyehole shrink
 Flywheel Shaft, diameter 40 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners as per Rule
 as fitted 40 mm as fitted as per Rule as fitted as per Rule
 Is a governor or other arrangement fitted to prevent raring of the engine when declutched Yes Means of lubrication forced lubricator
 Are the cylinders fitted with safety valves No 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 Frederick lubrication pump 5 feet
 Air Compressors, No. 1 No. of stages 1 Diameters as per Rule Stroke as per Rule Driven by as per Rule
 Scavenging Air Pumps, No. 1 Diameter as per Rule Stroke as per Rule Driven by as per Rule

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 40 L Internal diameter 203 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 816
 Starting Air Receivers, No. 1 Total cubic capacity 40 L Internal diameter 203 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 816

ELECTRIC GENERATORS:—Type 1. Sunderland free dynamo
 Pressure of supply 24/110 volts. Load 27 Amperes. Direct or Alternating Current Direct
 If alternating current system, state frequency of periods per second 50
 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 2
 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

PLANS. Are approved plans forwarded herewith for Shafting Plans Receivers in London Separate Tanks Office
 (If not, state date of approval) 22/12/28
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 bearings, 1 set of main bearings, 1 set of 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. 23/10. 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 908. 1-11-28 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 in accordance with the approved plans and Secretary's letter. All material tested as required, workmanship good. Engine tried under full working conditions on test bench and good.

H. W. Bennett

Im. 7, 26—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... £ 120.- : When applied for, 19...
 Travelling Expenses (if any) £ 6.- : When received, 15.1.29 19...
 209A
 666

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

Committee's Minute FRI. 21 FEB 1930
 Assigned See Kobe 6719

