

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15124

RECEIVED FEB - 3 1938

JUL - 6 1938

Received at London Office

Date of writing Report 20 Jan 1938 When handed in at Local Office Amsterdam Port of Amsterdam
No. in Survey held at Amsterdam Date, First Survey 19th Nov. Last Survey 19th Jan. 1938
Reg. Book. Number of Visits 12

on the Single Screw vessel Tanker for the Anglo Saxon Petroleum Co Ltd. Tons Gross
Twin Triple Quadruple Net

Built at Newcastle-on-Tyne By whom built Harthorn & Leslie Yard No. ? When built ?

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

Oil Engines made at Amsterdam By whom made H. F. Kromhout Mot. Fab. Contract No. 8270 When made 1938
D. Goedkoop Jr

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

No. of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 12 Total Capacity of Generators ? Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel Engine H.S. 2 1/2 or 4 stroke cycle 2 Single or double acting Single

Maximum pressure in cylinders 40 kg/cm² Diameter of cylinders 210 mm Length of stroke 275 mm No. of cylinders 1 No. of cranks 1

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 328 mm Is there a bearing between each crank ?

Revolutions per minute 390 Flywheel dia. 1100 mm Weight 11800 kg Means of ignition Compressed Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals as per Rule 110 mm Crank pin dia. 110 mm Crank Webs Mid. length breadth 150 mm Thickness parallel to axis ?
Coupling as per Rule 110 mm as fitted 110 mm Mid. length thickness 70 mm shrink Thickness around eye hole

Flywheel Shaft, diameter as per Rule 110 mm Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liners fitted.

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

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

Cooling Water Pumps, No. 12 1440 liters per hour Is the sea suction provided with an efficient strainer which can be cleared within the vessel ?

Lubricating Oil Pumps, No. and size 12 850 liters per hour.

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

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

AIR RECEIVERS:—Have they been made under Survey ? State No. of Report or Certificate ?

Is each receiver, which can be isolated, fitted with a safety valve as per Rule ?

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

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

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

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

Starting Air Receivers, No. 1 Total cubic capacity 75 liters Internal diameter 250 mm thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material St. steel Range of tensile strength 4450 kg Working pressure by Rules 15 kg

ELECTRIC GENERATORS:—Type ?

Pressure of supply ? volts. Full Load Current ? Amperes. Direct or Alternating Current ?

If alternating current system, state the periodicity ? Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off ?

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

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

If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test ? and do the results comply with the requirements ?

If the generators are 100 kw. or over have they been built and tested under survey ?

PLANS. Are approved plans forwarded herewith for Shafting 20/1/37 Receivers 20/1/37 Separate Tanks ?
(If not, state date of approval)

SPARE GEAR As per rule.

The foregoing is a correct description,
KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.
[Signature]

Manufacturer.



002659-002666-0164

Dates of Survey while building { During progress of work in shops - - } 19-24-30 Nov: 6-7-8-10-11-13-14 Dec: 12-19 Jan:
 { During erection on board vessel - - - }
 Total No. of visits 13.

Dates of Examination of principal parts—Cylinders 19/11/37 - 10/12/37 Covers 3/12/37 Pistons 22/12/37 Piston rods ✓
 Connecting rods 24/11/37 - 10/12/37 Crank and Flywheel shafts 19/11/37 - 10/12/37 Intermediate shafts ✓
 Crank and Flywheel shafts, Material S.M. Steel Identification Marks LLOYDS H.K. 416 H.K. 70-12-37
 Coupling Intermediate shafts, Material S.M. Steel Identification Marks LLOYDS H.K. 820 H.K. 19-1-38
 Identification marks on Air Receivers LLOYDS No 1365; H.K. 4-6-37.

Is this machinery duplicate of a previous case Yes. If so, state name of vessel tankers Anglo Saxon Pet. Comp.

General Remarks (State quality of workmanship, opinions as to class, &c.) This Engine has been constructed under Special Survey in accordance with the Society's rules approved plan and Secretary's letters.

The material used in the construction was found in order and workmanship satisfactory.

Engine tested on makers test bench and found in a good working condition and is in my opinion suitable to be placed on board the tank vessel for the Anglo Saxon Petroleum Co Ltd. build by Messrs B & W Hawthorn & Leslie & Co Ltd at Newcastle on Tyne for the purpose intended.

This Engine has been efficiently installed on board MV Daphnella examined under working conditions & found satisfactory.

L. Pickett ✓



1m.537.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 90.00 : When applied for, 2.9.38
 Travelling Expenses (if any) £ 1.00 : When received, 24.2.38

H. Young
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned

FRI 8 JUL 1938

See Navc. 76 96399



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This "W" executed, whatever entry in Commitment
 (Rpt. 10.)