

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15150

Received at London Office

FEB 24 1938

Date of writing Report 20<sup>th</sup> Feb 1938 When handed in at Local Office 19

Port of

Amsterdam

No. in Survey held at

Amsterdam

Date, First Survey

19<sup>th</sup> Nov

Last Survey

15<sup>th</sup> Feb 1938

Reg. Book.

Single  
on the Twin  
Triple  
Quadruple

Screw vessel

MV CORYDA

Tanker for the Anglo Saxon Petroleum Co. Ltd.

Tons

Gross

5128

Net

4425

Built at

Rotterdam

By whom built

Rotterdamse Ds. Maatschappij No. 103 When built 1930

Owners

Anglo Saxon Petroleum Co. Ltd.

Port belonging to

Oil Engines made at

Amsterdam

By whom made

H. V. Kromhout Mot. Fabriek

Contract No.

0261

When made

1930

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

13

Total Capacity of Generators

Kilowatts.

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

Maximum pressure in cylinders

40 k.g.

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

330 mm.

Is there a bearing between each crank

Revolutions per minute

390

Flywheel dia.

1100 mm.

Weight

1100 k.g.

Means of ignition Compression

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.

Mid. length thickness

70 mm. shrunk

Thickness parallel to axis

Coupling

as per Rule 110 mm.

as fitted

Intermediate Shafts, diameter

as per Rule

as fitted

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.

1 &amp; 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

1 &amp; 850 liters per hour.

Air Compressors, No.

No. of stages

Diameters

Stroke

Driven by

Scavenging Air Pumps, No.

Diameter

Stroke

Driven by

AIR RECEIVERS:—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

Material

Steel

Range of tensile strength

44/50 k.g.

Working pressure by Rules

25 k.g.

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 all terminals accessible, clearly marked, and furnished with sockets

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

(If not, state date of approval)

30/1/37

Receivers

30/1/37

Separate Tanks

SPARE GEAR

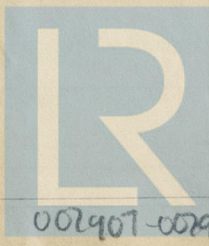
As per rule.

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



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Lloyd's Register  
Foundation

002407-002415-00471



Dates of Survey while building { During progress of work in shops - - } Nov: 19. 14. 50 Dec 6-10-13. Jan: 12. 16-18. Febr 3-8-15  
 { During erection on board vessel - - - }  
 Total No. of visits 12

Dates of Examination of principal parts—Cylinders 19/11 - 13/1 Covers 9/12 - 18/1 Pistons 13/1 Piston rods

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

Crank and Flywheel shafts, Material S. M. steel Identification Mark LLOYD'S No 2404 H.K. H.K. 10-12-37.

Coupling Identification Marks LLOYD'S No 831 H.K. H.K. 3-3-38

Intermediate shafts, Material S. M. steel Identification Marks LLOYD'S No 831 H.K. H.K. 3-3-38  
 Is this machinery duplicate of a previous case Yes If so, state name of vessel tankers Anglo Saxon Pels: Corp.

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 Rotterdamse Drogdok Maatschappij N.V.  
 yard No 202 for the purpose intended.

Identification marks on Air receivers.

LLOYD'S TEST 50 ATM. W. P. 25 ATM No 1369 H.K. 4-6-37.

1m.236. 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, 21-2-1938  
 Travelling Expenses (if any) £ 3.00: When received, 18-3-38

Committee's Minute  
 Assigned

W. Wray  
 Surveyor to Lloyd's Register of Shipping.