

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15544

FEB 10 1939

Date of writing Report 3 February 1939 When handed in at Local Office

Port of

Received at London Office

No. in Survey held at
Reg. Book.

Date, First Survey

Last Survey

Number of Visits

Single
on the ~~Twin~~
~~Triple~~
QuadrupleScrew vessel *"TORINIA", 5412 NR*
*Hawthorn Leslie Yard No 1561*Tons { Gross 10364
Net 6178Built at *New Castle-on-Tyne*

By whom built

Swan Hunter & Wigham Richardson Ltd
Hawthorn Leslie

Yard No. 1561

When built 1939

Owners

*Anglo-Saxon Petroleum Co Ltd*Port belonging to *London*Oil Engines made at *Amsterdam*

By whom made

N.V. Kromhout Motfab

Contract No. 8718

When made 1939

Generator made at *Sunderland*

By whom made

Sunderland Forge

Contract No.

When made 1939

No. of Sets *one* Engine Brake Horse Power *32*Nom. Horse Power as per Rule *P*Total Capacity of Generator *20* Kilowatts.OIL ENGINES, &c.—Type of Engines *Kromhout Diesel K.S. 3 2 or 4 stroke cycle 2* Single or double acting *single*Maximum pressure in cylinders *45 kg* Diameter of cylinders *170 mm* Length of stroke *225 mm* No. of cylinders *2* No. of cranks *2*Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *374 mm* Is there a bearing between each crank *yes*Revolutions per minute *400* Flywheel dia. *1000 mm* Weight *475 kg* Means of ignition *Solid magnet* Kind of fuel used *Diesel oil*Crank Shaft, dia. of journals as per Rule *approved* as fitted *95 mm* Crank pin dia. *95 mm* Crank Webs Mid. length breadth *150 mm* Thickness parallel to axis *shrunk* Mid. length thickness *53 mm* Thickness around eyehole *shrunk*Flywheel Shaft, diameter as per Rule *shrunk* as fitted *shrunk* Intermediate Shafts, diameter as per Rule *shrunk* as fitted *shrunk* Thickness of cylinder liners *shrunk*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 - 8000 l/min* Is the sea suction provided with an efficient strainer which can be cleared within the vesselLubricating Oil Pumps, No. and size *1 rotary 225 l/min*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 *yes* State No. of Report or CertificateIs 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 *can*Is there a drain arrangement fitted at the lowest part of each receiver *yes*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 l* Internal diameter *250 mm* thickness *7 mm*Seamless, lap welded or riveted longitudinal joint *Seamless* Material *SN 3* Range of tensile strength *44-50 kg* Working pressure by Rules *approved*
see Pres. 25 kg

ELECTRIC GENERATORS:—Type

Pressure of supply *—* volts. Full Load Current *—* Amperes. Direct or Alternating Current *Direct*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 offGenerators, are they compounded as per rule *—* is an adjustable regulating resistance fitted in series with eachshunt field *—* Are all terminals accessible, clearly marked, and furnished with socketsAre they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched *—* Are the lubricating arrangements of the generators as per RuleIf the generators are under 100 kw. full load rating, have the Makers supplied certificates of test *—* and do the results comply with the requirementsIf the generators are 100 kw. or over have they been built and tested under survey *yes*PLANS. Are approved plans forwarded herewith for Shafting *E 11.3.20* Receivers *22.3.20* Separate Tanks *—*
(If not, state date of approval)

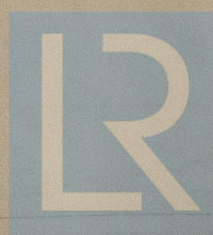
SPARE GEAR

The foregoing is a correct description.

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V.

Manufacturer.



© 2021

Lloyd's Register
Foundation

W1150-0147

30 Sept 3 Oct 7-10-23-28 Nov. 1. 6-10. 13-21 Dec. 3. 9. 14. 16. 18. 21-24 January

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts—Cylinders 7-20 Jan 9 Covers 20 Nov 3 Jan Pistons 7 Oct. 1 Dec Piston rods -

Connecting rods 7-23 Nov. 10 Dec Crank and Flywheel shafts 3 Oct 14-24 Dec Intermediate shafts -

Crank and Flywheel shafts, Material SWS Identification Marks 1720 Lloyd's H.K. HB 14-1-39

Intermediate shafts, Material L Identification Marks -

Identification marks on Air Receivers 1928 Lloyd's lub 50 RPM W.P. = 25 RPM KK 11-5-38

Is this machinery duplicate of a previous case Yes If so, state name of vessel M.V. CLAVELLA Ans rep 15524.

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

The Auxiliary engine has been made under special survey in accordance with the approved plans & Secretary's letters Material duly tested, workmanship throughout good

The Motor has been shipped to New Castle on Tyne and will be fitted aboard Messrs Hawthorn & Leslie's No 1561

This Kromhout Oil engine - Dynamos Set has been satisfactorily fitted on board the M.V. TORINIA, SHANK Yard No 1561.

A Watt Newcastle on Tyne July 1939.

The amount of Fee ... £90- When applied for, 9-2-39

Travelling Expenses (if any) £5- When received, 17-3-39

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See F.E. machy rpl

TUE 15 AUG 1939



© 2021

Lloyd's Register Foundation