

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15559

Received at London Office

FEB 27 1939

Date of writing Report 21 Feb 1939 When handed in at Local Office

Port of Amsterdam

No. in Survey held at Amsterdam

Date, First Survey 23 November Last Survey 25 July 1939

Reg. Book.

Number of Visits 21.

Single
on the Twin
Triple
Quadruple
Screw vessel

M.V. "TIBIA"

Tons { Gross 10356
Net 6146.81Built at Amsterdam By whom built N.V. Ned Schepb M⁴ Yard No. 272 When built 1939Owners N.V. Petroleum M⁴ "La Caronia" Port belonging to Gavenhagen

Oil Engines made at Amsterdam By whom made N.V. Kromhout Motoren Contract No. 0705 When made 1939

Generators made at Lekkerveen By whom made N.V. W. Smit & Co Contract No. 22330 When made 1939

No. of Sets 1 Engine Brake Horse Power 32 Nom. Horse Power as per Rule 0 Total Capacity of Generators 20 Kilowatts.

OIL ENGINES, &c.—Type of Engines Kromhout Diesel 2 K 53 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 274 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 55 mm Thickness around eye hole

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

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. 1-3000 l/h Rotary Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size 1-rotary 225 l/h

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 Certificate

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 Cover

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. one Total cubic capacity 75 h Internal diameter 250 h thickness 7 mm

Seamless, lap welded or riveted longitudinal joint Seamless Material SMS Range of tensile strength 4450 kg Working pressure by Rules approved out 25 kg

ELECTRIC GENERATORS:—Type Compound

Pressure of supply 110 volts Full Load Current 102 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 off Yes

Generators, are they compounded as per rule Yes 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

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

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

PLANS. Are approved plans forwarded herewith for Shafting E 22-3-30 Receivers E 22-5-30 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.



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Dates of Survey while building { During progress of work in shops - - Nov 23 Dec 1-6-13-21-27 Jan 3-14-16-18-25-26-30-31 Feb 3-8-11-13
During erection on board vessel - - - May 17 June 15 July 25.
Total No. of visits 21

Dates of Examination of principal parts—Cylinders 23 Nov 3-9 Jan Covers 23 Nov 3-9 Jan Pistons 23 Nov 16 Jan Piston rods -

Connecting rods 6-13 Dec 16 Jan Crank and Flywheel shafts 23 Nov 14-25 Jan Coupled Intermediate shafts 25 January

Crank and Flywheel shafts, Material SMS Identification Marks Lloyd's 1725

Coupled Intermediate shafts, Material SMS Identification Marks Lloyd's H.K. KK 14-1-29

Identification marks on Air Receivers 1915 Lloyd's 50 ATM KK 11-5-30 Lloyd's 4934 H.P.B. 23-6-30

Is this machinery duplicate of a previous case Yes If so, state name of vessel M.V. Ceronia Ans rep. 15560

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

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

The amount of Fee ... £90-

Travelling Expenses (if any) £5-

When applied for,

24.2.1939

When received,

19

[Signature]
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 11 AUG 1939

Assigned

See FE machy rpl.



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