

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 18307

Received at London Office

16 JUN 1954

Survey Report 7 June 1952 When handed in at Local Office 19 Port of Amsterdam

Survey held at Amsterdam Date, First Survey 6 March Last Survey 19 April 1952

M.V. BLEKOK Number of Visits 3

Single on the Twin Triple Quadruple Screw vessel for Indonesian Government Tons Gross Net

By whom built Yard No. When built

Port belonging to

made at Amsterdam By whom made Motorenfabrik Kromhout Contract No. 12632 When made

made at Sluis By whom made M. Blek tot en met de Indische Handel B. Contract No. 39123 When made

Engine Brake Horse Power 30 M.N. as per Rule 6 Total Capacity of Generators 122 Kilowatts.

used for essential services Diesel engine

GINES, &c.—Type of Engines Heavy oil eng type 39S 100 2 or 4 stroke cycle 4 Single or double acting Single

pressure in cylinders 55 kg/cm² Diameter of cylinders 100 mm Length of stroke 152 mm No. of cylinders 3 No. of cranks 3

ated sure 7.7 kg/cm² Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 212 mm

bearing between each crank yes Moment of inertia of flywheel (16 m² or Kg.-cm.²) 1900 V

dia 660 mm Weight 275 kg Means of ignition Compression Kind of fuel used Diesel oil

ft, dia. of journals as per Rule as per Rule Crank pin dia 73 mm Crank Webs Mid. length breadth 20 mm Thickness parallel to axis shrunk

as fitted 22.5 mm Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m² or Kg.-cm.²)

as fitted provided to prevent racing of the engine when declutched yes Means of lubrication forced Kind of damper if fitted

linders fitted with safety valves yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes

Water Pumps, No. 1 cap 1450 ltr/hr Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Oil Pumps, No. and size 1 Toothed wheel pump cap 600 ltr/hr

essors, No. 2023 cap 30 m³ No. of stages 2 Diameters 95-110 mm Stroke 25 mm Driven by Diesel engine

g Air Pumps, No. Diameter Stroke Driven by

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

Receiver, which can be isolated, fitted with a safety valve as per Rule

Internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces

drain arrangement fitted at the lowest part of each receiver

ure Air Receivers, No. Cubic capacity of each Internal diameter thickness

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

ir Receivers, No. Total cubic capacity Internal diameter thickness

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

RIC GENERATORS:—Type 2260

of supply 115 volts Full Load Current 109 Amperes Direct or Alternating Current DC

teming current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown

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

terminals accessible, clearly marked, and furnished with sockets Are they so spaced

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

erators are under 100 kw. full load rating, have the makers supplied certificates of test yes and do the results comply with the requirements yes

erators are 100 kw. or over have they been built and tested under survey

driven machinery other than generator Air compressor 2 stage type TK 205 mod. by J. Duyvendyk & OVERBEEK Rotterdam

Are approved plans forwarded herewith for Shafting 22-4-52 Receivers Separate Tanks

ional Vibration characteristics if applicable been approved (state date of approval) Armature shaft Drawing No.

GEAR Complete

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr. N.V. Amsterdam

Manufacturer.

J. H. H. H. H.



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Lloyd's Register

Foundation

012460-012472-0213

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

6/3 - 1/4 - 19/4 - '52

3

Dates of Examination of principal parts—Cylinders 6-3-52 Covers 6-3-52 Pistons 6-3-52 Piston rods

Connecting rods 6-3-52 Crank and Flywheel shafts 6-3-52 Intermediate shafts

Crank shaft Material 5M Steel Tensile strength 69.1 - 69.1 Kg/mm²
Elongation 23.6 - 22.1%

Identification Marks
No. 5751
JL 31-5-51
CL 6-3-52

Flywheel shaft, Material

Identification Marks

Identification marks on Air Receivers

Is this machinery duplicate of a previous case ☒ If so, state name of vessel Standard type

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This engine has been built under special Survey in accordance with approved plans, Secretariat and Society Rules

Materials tested as required and workmanship found good.

This set has been tested under full load condition on Motus tested and found working satisfactory.

This set merits in my opinion the approval of the Committee

After trial and inspection the set is shipped to Westphalen Amsterdam destination vessels for Indonesian Government

Copy cut No F 3723 Amsterdam of Crankshaft, copy cut No F 3750 Amsterdam of Shaftcoupling, copy cut No 11994 of Compressor and copy cut of Motor of dynamo dd. 14-3-52 added.

The amount of Fee ... 90.-

When applied for 12-6 1952

Travelling Expenses (if any) £

When received 19

Committee's Minute TUES. 14 OCT 1952

Assigned No Action See F.E. mchly rpt G 727

Surveyor to Lloyd's Register of Ships

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