

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 18498

Received at London Office

Report made on Sept 30 1952 When handed in at Local Office 19 Port of Amsterdam

Survey held at Amsterdam Date, First Survey 27th June Last Survey Aug 7 1952

Single ☒ on the Twin ☐ Triple ☐ Quadruple ☐ Screw vessel "M.S. MENG KARA" Number of Visits 4 Tons ☒ Gross ☐ Net

By whom built Werkspoor Amsterdam for Indonesian Government Yard No. When built

made at Amsterdam By whom made Motorenfabriek Kromhout Eng. Contract No. 12626 When made

made at Sluiskeizer By whom made Elsch. Techn. Ind. Smit Eng. Contract No. 39109 When made

Engine Brake Horse Power 96 M.N. as per Rule 19 Total Capacity of Generators 60 Kilowatts.

ded for essential services aux engine

GINES, &c.—Type of Engines Heavy oil engine type 89S108 2 or 4 stroke cycle 4 Single or double acting Single

pressure in cylinders 55 kg/cm² Diameter of cylinders 108 mm Length of stroke 152.4 mm No. of cylinders 8 No. of cranks 8

ated 7.7 kg/cm² Firing order in cylinders 1-5-2-6-8-4-3-7 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 121 mm

sure 7.7 kg/cm² bearing between each crank yes Moment of inertia of flywheel (16 m² or Kg.-cm.²) Revolutions per minute 1200

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

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

as fitted 82.5 mm Mid. length thickness as app. Thickness round eyehole

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

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

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

ing Oil Pumps, No. and size 1 toothed wheel pump cap 600 lts/hr

essors, No. No. of stages Diameters Stroke Driven by

g Air Pumps, No. Diameter Stroke Driven by

CEIVERS:—Have they been made under Survey Eng. is started by air starting motor of Williams and James State No. of Report or Certificate

river, which can be isolated, fitted with a safety valve as per Rule with all from main air receivers

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

rain arrangement fitted at the lowest part of each receiver

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

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

ir Receivers, No. Total cubic capacity Internal diameter thickness

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

IC GENERATORS:—Type G 340

f supply 115 volts. Full Load Current 522 Amperes. Direct or Alternating Current Direct

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

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

minals 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

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

rators are 100 kw. or over have they been built and tested under survey Lloyd's tested Sea Rotterdam cert No 13046 dd Sept 1-1952

driven machinery other than generator

Are approved plans forwarded herewith for Shafting 15-8-52 Receivers Separate Tanks

ional Vibration characteristics if applicable been approved Armature shaft Drawing No.

GEAR Complete

The foregoing is a correct description,

KROMHOUT MOTOREN FABRIEK

D. Goedkoop Jr, N.V. Amsterdam

Manufacturer.

J. Randerhall



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010509-010518-0369

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Identification marks on Air Receivers.....

The set merits in my opinion the approval of the Committee
After trials and inspection the set is shipped to Weespoor Amsterdam for Indonesian Governor

Assigned See F. E. Case 7-7

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