

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 1884

Received at London Office 24 JUL 1952

Writing Report 18th June 1952 When handed in at Local Office 19 Port of HAMBURG

Survey held at Elmshorn Date, First Survey 11th February Last Survey 18th April 1952

Number of Visits 6

on the ~~Motor~~ Single Screw vessel Motor Tanker "ISEBEK" Tons Gross 498 Net 270

Elmshorn By whom built D.W. Kremer Sohn Yard No. 1001 When built 1952

Knöhr & Burchard NfL. Port belonging to Hamburg

Engines made at Munich By whom made Süddeutsche Bremsen A.G. Engine No. 20494 When made 1951

Generators made at Hamburg By whom made Hans Still Generator No. 512029 When made 1951

1 B.H.P. of each Set 49 M.N. as per Rule 10 Capacity of each Generator 30 Kilowatts.

ended for essential services. yes

ENGINES, &c.—Type of Engines RES 418 D 2 or 4 stroke cycle 4 Single or double acting single

Pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders 3 No. of cranks 3

Span of bearings (i.e., distance between inner edges of bearings in way of a crank)

Moment of inertia of flywheel (16 m² or Kg.-cm.²)

Revolutions per minute

Weight Means of ignition Kind of fuel used

Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis

Mid. length thickness Thickness round eye-hole

Shaft, diameter as fitted Generator armature, moment of inertia (16 m² or Kg.-cm.²)

Means provided to prevent racing of the engine. yes Means of lubrication forced Kind of damper if fitted

Cylinders fitted with safety valves no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material yes

Water Pumps, No. and how driven 1 attached Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Oil Pumps, No. and size 1

Compressors, No. 1 No. of stages 2 Diameters 100 / 110 Stroke 60 Driven by E. Motor

Air Pumps or Blowers, No. How driven

RECEIVERS:—Have they been made under Survey none State No. of Report or Certificate

Details of safety devices

Internal surfaces of the receivers be examined and cleaned

Drain arrangement fitted at the lowest part of each receiver

Pressure Air Receivers, No. none Cubic capacity of each Internal diameter thickness

Lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure

Air Receivers, No. none Total cubic capacity Internal diameter thickness

Lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure

GENERATORS:—Type RES 418 D M 20 DK / 37

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

ating 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 yes

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

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

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

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

of driven machinery other than generator none

Are approved plans forwarded herewith for Shafting Receivers Separate Tanks

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

pare gear required by the Rules been supplied yes

The foregoing is a correct description,

D. W. Kremer Sohn

Manufacturer.



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

Dates of Examination of principal parts—Cylinders. Covers. Pistons. Piston rods.
Connecting rods. Crank and Flywheel shafts. Intermediate shafts.
Crank shaft Material. Tensile strength.
Elongation. Identification Marks.
Flywheel shaft, Material. Identification Marks.
Identification marks on Air Receivers.

Is this machinery duplicate of a previous case. If so, state name of vessel.
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) See also Augsburg Report No. 88.

The generator set has now been properly installed, examined and tested under working conditions,
governor adjusted and all found in good condition, suitable for use in a vessel classed
with the Society.

The amount of Fee ... £ SEE RA 46
Travelling Expenses (if any) £ : :
When applied for 19
When received 19

Committee's Minute
Assigned See F.E. Mch. 1952

Surveyor to Lloyd's Register of Shipping

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