

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 5006

Received at London Office 3-AUG 1948

Writing Report JUNE 1948 When handed in at Local Office JUNE 1948 Port of GALVESTON TEXAS

Survey held at GALVESTON TEXAS Date, First Survey 26th MAY 48 Last Survey JUNE 1948

Single }
on the Twin }
Triple }
Quadruple }
Screw vessel SS MESA VERDE
Number of Visits
Tons { Gross 10640
Net 6313

at PORTLAND OREGON By whom built KAISER CO INC Yard No. 99 When built 1944-11

rs BRITISH TANKERS CO Port belonging to LONDON

Engines made at CHICAGO ILL By whom made VENN SEVERN MACHY CO Contract No. V5817 When made 1944

ators made at MANSFIELD OHIO By whom made IDEAL ELECTRIC MFG CO Contract No. 124528 When made 1944

f Sets ONE Engine Brake Horse Power 190 Nom. Horse Power as per Rule Total Capacity of Generators 75 Kilowatts.

ENGINES, &c.—Type of Engines AUXILIARY DIESEL V CYLINDER BLOCK 2 or 4 stroke cycle 4 Single or double acting SINGLE

num pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders 6 No. of cranks 3

of bearings, adjacent to the Crank, measured from inner edge to inner edge 8 7/16 Is there a bearing between each crank YES

utions per minute 900 Flywheel dia. Weight Means of ignition COMPRESSION Kind of fuel used DIESEL

k Shaft, dia. of journals as per Rule Crank pin dia. 5" Crank Webs Mid. length breadth 7" Thickness parallel to axis

as fitted 5 1/2" Mid. length thickness 1 5/16" FORGED WITH BOLTED BALANCE

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

governor or other arrangement fitted to prevent racing of the engine when declutched YES Means of lubrication FORCED FEED

he cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material YES

ng Water Pumps, No. ONE Is the sea suction provided with an efficient strainer which can be cleared within the vessel RADIATOR CLOSED

icating Oil Pumps, No. and size ONE SYSTEM.

Compressors, No. TWO No. of stages TWO Diameters 5 1/2" 5 1/2" 4" Stroke 3 1/2 Driven by ELE MOTORS

enging Air Pumps, No. Diameter Stroke Driven by

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

h receiver, which can be isolated, fitted with a safety valve as per Rule YES

the internal surfaces of the receivers be examined YES What means are provided for cleaning their inner surfaces MAN HOLE

a drain arrangement fitted at the lowest part of each receiver. YES

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

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

ing Air Receivers, No. ONE Total cubic capacity 30 CF Internal diameter 30" thickness

less, lap welded or riveted longitudinal joint WELDED Material OH STEEL Range of tensile strength 55 000 Working pressure by Rules 125 LBS

TRIC GENERATORS:—Type

sure of supply 450 volts. Full Load Current 120 Amperes. Direct or Alternating Current A.C.

ernating current system, state the periodicity 60/62 Has the Automatic Governor been tested and found as per rule when full load is suddenly

m on and off YES Generators, are they compounded as per rule is an adjustable

ating resistance fitted in series with each shunt field Are all terminals accessible, clearly marked, and furnished with

ts YES Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched YES

the lubricating arrangements of the generators as per Rule YES If the generators are under 100 kw. full load rating, have the Makers supplied

icates of test ABS and do the results comply with the requirements If the generators are 100 kw. or over have they been

and tested under survey

VS. Are approved plans forwarded herewith for Shafting Receivers Separate Tanks

(If not, state date of approval)

GEAR TO RULE REQUIREMENTS

Note The two air compressors with one air receiver detailed above are intended for Combustion Control + General Services.

The foregoing is a correct description,

Manufacturer.



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005377-005386-0306

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. Covers. Pistons. Piston rods.

Connecting rods. 8 JUNE 48 Crank and Flywheel shafts. 8 JUNE 48 Intermediate shafts.

Crank and Flywheel shafts, Material. OH STEEL Identification Marks.

Intermediate shafts, Material. Identification Marks.

Identification marks on Air Receivers. STEEL PIPE & TANK CO N°158. AB 2-29-44. H.E.H. 423 SWP 125 LBS

USCG JAC 55000. T.P. 250 LBS

Is this machinery duplicate of a previous case. YES If so, state name of vessel. SS ESSO NORMANDIE.

General Remarks (State quality of workmanship, opinions as to class, &c.) This Emergency Generating Unit was constructed under the supervision of Surveyors to the American Bureau of Shipping. The condition and standard of materials and workmanship are considered good and satisfactory.

The diesel engine coupled direct to the generator, was found in good condition. Tied out under various loads and governing controls also with automatic control to main switchboard with satisfactory results.

Rpt. 13.

RE

Date of writing Report.

No. in Survey Reg. Book.

29246 on the

Built at. PORT

Owners. BRIT

Installation fitted

Is vessel equipped f

Plans, have they b
COOKING
Heating. 230

Prime Movers, has

with a trip switch.

if not compound w
YES 40
in parallel. SETS

test for machines u

Position of Genera

is the ventilation in

damage from water

GENERATOR

are they in accessib

steam and oil. YES

material is it an Ap

per Rule. YES

for each generator c

WITH OVERLO

D.P. LINKED B

and the switch and

BREAKERS

Are compartments c

ammeters. 5

protection devices c

LAMPS

Switches, Circuit B

make of fuses. (R

overload do they op

Joint Boxes, Sectio

Cables, are they ins

state maximum fall

area of 0.01 square

cables sealed at the

high temperatures c

adequately protecte

or of the "HR" typ

BASKETWEAV

CABLES IN A

PROPULSION

Are all lead sheath

bulkheads provided

effectively bushed.

The amount of Fee £ ✓ :

Travelling Expenses (if any) £ ✓ :

When applied for,
19.
When received,
19.

J. Bloomfield

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK JUL 14 1948

Assigned

See 1st Entry Rpt. attached



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