

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 8807

Report made on 2nd March 1949 When handed in at Local Office 25th March 1949 Port of Baltimore, Maryland. Received at London Office 113 JUN 1949

Survey held at Baltimore, Maryland Date, First Survey May 13th. Last Survey December 23rd. 1949

Single }
the ~~Proprio~~ } Screw vessel "ANNA SALEN" (Ex Archer) Number of Visits 8
~~Knights~~ }
~~Proprio~~ } Tons { Gross 7840
Net 4635

Chester, Pa. By whom built Sun Ship D. D. Co. Yard No. 184 When built 1940
Sven Salem Port belonging to Stockholm

Made at Grove City, Pa. By whom made Cooper Bessemer Contract No. - When made 1940

Made at Schenectady, N.Y. By whom made General Electric Contract No. - When made 1940

3 Engine Brake Horse Power 400 Nom. Horse Power as per Rule 2063 Total Capacity of Generators 825 Kilowatts.

Types, &c.—Type of Engines Solid injection 2 or 4 stroke cycle 4 Single or double acting Single

Pressure in cylinders 850 lbs. Diameter of cylinders 12" Length of stroke 15" No. of cylinders 5 No. of cranks 5

Cranks, adjacent to the Crank, measured from inner edge to inner edge - Is there a bearing between each crank Yes

Revolutions per minute 350 Flywheel dia. - Weight - Means of ignition - Kind of fuel used Diesel oil

Dia. of journals as per Rule - as fitted - Crank pin dia. - Crank Webs Mid. length breadth - Thickness parallel to axis -

Shaft diameter as per Rule - as fitted - Intermediate Shafts, diameter as per Rule - as fitted - Thickness around eyehole -

Other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Forced

Exhaust pipes fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Lagged

Sea Pumps, No. 1 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. 2 No. of stages 2 Diameters 6 1/2 x 6 1/2 x 4' Stroke 5 Driven by Electric Motor

Air Pumps, No. - Diameter - Stroke - Driven by -

RECEIVERS:—Have they been made under Survey U.S.C.G. and A.B.S. State No. of Report or Certificate 0-

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

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

Other arrangement fitted at the lowest part of each receiver Yes

Refrigerating Air Receivers, No. 1-2-3-4 Cubic capacity of each 162 Cubic Feet Internal diameter 42" thickness 1"

Welded or riveted longitudinal joint Butt Material Steel Range of tensile strength 55000 20 Working pressure by Rules -

Refrigerating Receivers, No. 1-2-3-4 Total cubic capacity 648 Cu. Ft. Internal diameter 42" thickness 1"

Welded or riveted longitudinal joint Butt Material Steel Range of tensile strength 55000 70 Working pressure by Rules -

GENERATORS:—Type MPC -275 KW. Semi. Encl.

Supply 120-240 volts. Full Load Current 1145 Amperes. Direct or Alternating Current Direct current

Current system, state the periodicity - Has the Automatic Governor been tested and found as per rule when full load is suddenly

cut off Yes Generators, are they compounded as per rule Yes is an adjustable

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

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

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

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

tested under survey U.S.C.G. and A.B.S.

Are approved plans forwarded herewith for Shafting - Receivers - Separate Tanks -

As per Rule

The foregoing is a correct description,

Manufacturer.



003479-003486-0046

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
 Connecting rods - - - Crank and Flywheel shafts - - - Intermediate shafts - - -
 Crank and Flywheel shafts, Material - - - Identification Marks - - -
 Intermediate shafts, 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. The three engines have all been opened up, throughout and all found or now placed in good and efficient working condition.
 On completion of repairs the engines tested out under full power for a period of eight hours, the governor operated and all found in good and safe working condition.
 It is the opinion of the undersigned that this installation is in good and efficient condition, the machinery good and the installation in my opinion eligible to be classed with this Society with a record of LMC 1st Class classification contemplated.

The amount of Fee £ -- : : (When applied for, 19
 Travelling Expenses (if any) £ -- : : (When received, 19

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

Committee's Minute NEW YORK MAY 25 1949

Assigned *See First Entry Report attached*

1M.8-56-Transfer (Printed in U. S. A.)
 (The Surveyors are requested not to write on or below the space for Committee Minute.)

