

Survey held at  
on the Single  
Twin  
Triple  
Quadruple Screw vessel

Built at *Barrow in Furness*  
Owners *Eldeu Dimpot Ltd.*

Oil Engines made at *Colchester*  
Generators made at *Bedford.*

No. of Sets *6* Engine Brake Horse Power *100* Nom. Horse Power as per Rule *28.5* Total Capacity of Generator *50* Kilowatts.

**ENGINES, &c.** Type of Engines *Heavy Oil (5 RW Type)* 2 or 4 stroke cycle *4* Single or double acting *Single*  
Maximum pressure in cylinders *800 lbs* Diameter of cylinders *5 1/2"* Length of stroke *7"* No. of cylinders *5* No. of cranks *5*

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge *6 1/4"* Is there a bearing between each crank *Yes*  
Revolutions per minute *1000* Flywheel dia. *27"* Weight *495 lb.* Means of ignition *Compression* Kind of fuel used *Seisel*

Crank Shaft, dia. of journals *as per Rule 4"* Crank pin dia. *3 5/8"* Crank Webs *Mid. length breadth 5"* Thickness parallel to axis *1 3/4"*  
*as fitted 4"* *Mid. length thickness 1 3/4"* Thickness around eye hole *1 3/4"*

Flywheel Shaft, diameter *as per Rule 4"* Intermediate Shafts, diameter *as per Rule 4"* Thickness of cylinder liners *1/8"*  
*as fitted 4"*

Is there a governor or other arrangement fitted to prevent racing of the engine when decoupled *Yes* Means of lubrication *Forced*  
Are the cylinders fitted with safety valves *No* Are the exhaust pipes and silencers water cooled or lagged with non-conducting material *Lagged.*

Cooling Water Pumps, No. *6* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *Yes*  
Lubricating Oil Pumps, No. and size *6* *Standard*

Air Compressors, No. *1* No. of stages *1* Diameters *10"* Stroke *10"* Driven by *Engine*  
Sucking Air Pumps, No. *1* Diameter *10"* Stroke *10"* Driven by *Engine*

**RECEIVERS:** Have they been made under Survey *Yes* State No. of Report or Certificate *12-12-45*  
Each receiver, which can be isolated, fitted with a safety valve as per Rule *Yes*  
Are the internal surfaces of the receivers be examined *Yes* What means are provided for cleaning their inner surfaces *Scraped*

High Pressure Air Receivers, No. *1* Cubic capacity of each *100* Internal diameter *10"* thickness *1/4"*  
Unless, lap welded or riveted longitudinal joint *Material 100* Range of tensile strength *Working pressure by Rules*

Working Air Receivers, No. *1* Total cubic capacity *100* Internal diameter *10"* thickness *1/4"*  
Unless, lap welded or riveted longitudinal joint *Material 100* Range of tensile strength *Working pressure by Rules*

**ELECTRIC GENERATORS:** Type *Enclosed Imtulated, Drip Proof.*  
Pressure of supply *220* volts. Full Load Current *227* Amperes. Direct or Alternating Current *Direct*

Alternating current system, state the periodicity *Yes* Has the Automatic Governor been tested and found as per rule when full load is suddenly thrown on and off *Yes*  
Generators, are they compounded as per rule *Yes* Is an adjustable regulating resistance fitted in series with each *Yes*

Are all terminals accessible, clearly marked, and furnished with sockets *Yes*  
Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched *Yes* Are the lubricating arrangements of the generators as per Rule *Yes*

Are the generators under 100 kw. full load rating, have the Makers supplied certificates of test *Yes* and do the results comply with the requirements *Yes*  
Are the generators 100 kw. or over have they been built and tested under survey *Yes*

Are approved plans forwarded herewith for Shafting *Co. Ltd.* Receivers *Yes* Separate Tanks *12-12-45*  
(If not, state date of approval) *Inspection.*

**RE GEAR**

The foregoing is a correct description.

DAVEY, PAXMAN & CO. LTD.  
ENGINEERS  
COLCHESTER, ENGLAND.  
CONTRACTS MANAGER  
H. S. Brown

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Lloyd's Register  
Foundation  
005258-005268-0134



Dates of Survey while building { During progress of work in shops - - 1946 Dec 10  
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 and Flywheel shafts, Material Steel Identification Marks 440705. N° 4088.  
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 Engine has been constructed under Special Survey in accordance with the approved plans, Rule Requirements & Secretary's letter.  
The materials & workmanship are of good description.  
The engine has been examined under full load conditions for a period of six hours.  
The St. has been despatched to Barrow in Furness to be fitted on board the vessel.  
Copy of Maker's Smelter Test Certificate attached to Report on Engine N° 6845.

The amount of Fee ... £ 4 : 7 : 0 When applied for, 24 Dec 1946  
Travelling Expenses (if any) £ 10 : 6 When received, 19

Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
Assigned Su F.E. Welch, rpt.