

MAIN PROPELLING OIL ENGINES.

W151-0218

E1.

Shafting Endorsement.

Shipbuilders: Messrs. *Rowlley Iron Works* Yard No *585*

Engineers: Messrs. *Atlas Diesel* Engine No.

It is submitted that with engines for main propelling purposes, having particulars as stated below, the following sizes of shafting merit approval, viz.:

Sizes of Shafting:

Crank	Flywheel	Thrust
Intermediate <i>5"</i>	Tube	Screw <i>5 1/16" dia body reduced to 7/16" at forward end.</i>

Particulars of Engines:

Engine Type <i>2. S. C. S. A</i>	Max. Press. in Cylinders <i>780 lbs/in²</i>
Open Sea Service	M.I.P. or M.E.P.
Smooth Water Service	I.H.P. or B.H.P. <i>560</i>
No. of Cylinders <i>6</i>	Weight of Flywheel <i>420 lbs</i>
Diam. of Cylinders <i>250 mm</i>	Diam. of Flywheel <i>900 mm</i>
Stroke <i>420 mm</i>	GD² of Balance Weights
Span of Bearings	GD² of Turning Wheel
Revs. per Min. <i>375</i>	Diam. of Propeller <i>68"</i>
	Screw Shaft <u>Without</u> Continuous Liner

The plan showing details of intermediate & screw shafts & stern tube also merit approval. It is noted that an oil retaining gland of approved type will be fitted to the after end of the stern bush & when this has been fitted to the Surveyor's satisfaction the vessel will be entitled to receive the notation

Return 1 Plan. "O.G." in the Society's Register Book.

Retain 1 Copy. Forward 1 copy to Special Surveyor with advice.

[Handwritten signatures and dates]
5/5/39