

## MAIN ENGINES.

# Lloyd's Register of Shipping.

*Data sheet for*

## PETROL, PARAFFIN AND HEAVY OIL ENGINES FOR MAIN PROPELLING PURPOSES.

*(This form to be filled in and forwarded when plans or particulars of shafting are submitted for approval. Particulars which do not apply to be crossed out.)*

- (1) Shipbuilders:— **Henry Robb Ltd.** Yard No.:— **291**
- (2) Engineers:— **British Auxiliaries Ltd., Glasgow.** Engine No.:— **302/3.**
- (3) Type of Engine:—Petrol, Paraffin or Heavy Oil. **Heavy oil**
- (4) Smooth Water or Open Sea Service. **Open sea service**
- (5) Two or Four Stroke Cycle. **Two cycle**
- (6) Single or Double Acting or Opposed Piston. **Single acting**
- (7) Number of Cylinders:— **Four**
- (8) Diameter of Cylinders:— **340 m/m**
- (9) Stroke:— **570 m/m**
- (10) Span of Bearings from inner edge to inner edge:— **--**
- (11) Centres of Side Rods for Opposed Piston Engines:— **--**
- (12) Maximum Pressure in Cylinders:— **55 KG/CM<sup>2</sup>**
- (13) Mean Indicated Pressure:— **--**
- (14) Brake Horse Power:— **640 B.H.P.**
- (15) Revolutions per minute:— **250**
- (16) Weight of Flywheel:— **2030 Kgs.**
- (17) Diameter of Flywheel:— **1550 m/m**
- (18) GD<sup>2</sup> of balance weights:— **--**
- (19) Diameter of Propeller:— **7'-0"**
- (20) Is Propeller Shaft fitted with Continuous Liner:— **No.**
- (21) If the material for the crankshaft is of higher tensile strength than required by the Rules, the following particulars should be forwarded:—

Ultimate Tensile Strength.	Yield Point.	Elongation.	Gauge Length.
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- (22) Where Dowel Pins are not fitted in the case of built crankshafts, the following information should be supplied:—

- (a) Shrinkage Allowance:— **--**
- (b) Yield point of Crankweb Material:— **--**

- (23) Is vessel intended to have the notation:—"Strengthened for Navigation in Ice":— **No**

- (24) If so, state the material of the propeller:— **--**