

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:— **BLYTHSWOOD SHIPBUILDING CO. LTD.** Yard Nos.:— **61-2-3-4.**
- (2) Engineers:— **MESSRS. JOHN G. KINCAID & CO. LTD.** Engine No.:— **K.131-2-3-4**
- (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. **FOUR STROKE CYCLE**
- (6) Single or Double Acting or Opposed Piston. **SINGLE-ACTING.**
- (7) Number of Cylinders:— **6.**
- (8) Diameter of Cylinders:— **740 MMS.**
- (9) Stroke:— **1500 MMS.**
- (10) Span of Bearings from inner edge to inner edge:— **1028 MMS.**
- (11) Centres of Side Rods for Opposed Piston Engines:— **—**
- (12) Maximum Pressure in Cylinders:— **650 LBS/INS²**
- (13) Mean Indicated Pressure:— **8.725 KGS/CM²**
- (14) Brake Horse Power:— **3300**
- (15) Revolutions per minute:— **110**
- (16) Weight of Flywheel:— **2.5 TONS.**
- (17) Diameter of Flywheel:— **2489 MMS.**
- (18) GD^2 of balance weights:— **(WEIGHT = 14.50 TONS, RAD. OF GYRATION = 2.67 FT.) = 103.37 TONS FT.²**
- (19) Diameter of Propeller:— **15'-9"**
- (20) Is Propeller Shaft fitted with Continuous Liner:— **YES.**
- (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. |
|----------------------------|---------------------------------|------------------|---------------|
| 28-32 TONS/D' | NOT LESS THAN 14 TONS/D' | 29% / 25% | — |
- (22) Where Dowel Pins are not fitted in the case of built crankshafts, the following information should be supplied:—
- (a) Shrinkage Allowance:— **SHAFT DIA. = 525 MMS. HOLE DIA. = 524.125 MMS**
IN WAY OF WEBS
- (b) Yield point of Crankweb Material:— **NOT LESS THAN 14 TONS/D'**
- (23) Is vessel intended to have the notation:— "Strengthened for Navigation in Ice":— **NO**
- (24) If so, state the material of the propeller:— **—**

MARK ENGINEER

Engineer's Certificate of Appointment

PATROL PARAFFIN AND HEAVY OIL ENGINES FOR MAIN PROPULSION PURPOSES



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Foundation