

MAIN ENGINES.

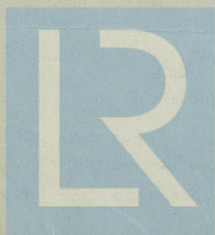
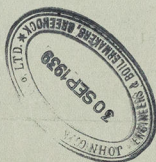
Lloyd's Register of Shipping.

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:— **—**



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