

**MAIN ENGINES.**

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# 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:— *Ned. Scheepsb. Mij. Ct. dam* Yard No.:— *203*
- (2) Engineers:— *Gebro. Broek & Co. Hoengelo* Engine No.:— *4407*  
*4400*
- (3) Type of Engine:—Petrol, Paraffin or Heavy Oil. *Heavy oil*
- (4) Smooth Water or Open Sea Service. *Open Sea*
- (5) Two or Four Stroke Cycle. *Two*
- (6) Single or Double Acting or Opposed Piston. *Double acting.*
- (7) Number of Cylinders:— *4*
- (8) Diameter of Cylinders:— *610 mm*
- (9) Stroke:— *1150 mm*
- (10) Span of Bearings from inner edge to inner edge:— *890 mm*
- (11) Centres of Side Rods for Opposed Piston Engines:— *✓*
- (12) Maximum Pressure in Cylinders:— *45 kg/cm<sup>2</sup>*
- (13) Mean Indicated Pressure:— *5.6 kg/cm<sup>2</sup>*
- (14) Brake Horse Power:— *5500*
- (15) Revolutions per minute:— *130*
- (16) Weight of Flywheel:— *10000 kg.*
- (17) Diameter of Flywheel:— *2740 mm*
- (18) GD<sup>2</sup> of balance weights:— *flywheel 40000 kgm<sup>2</sup>*
- (19) Diameter of Propeller:— *4020 mm*
- (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.
<i>45.52 kg/cm<sup>2</sup></i>	<i>24.75 kg/cm<sup>2</sup></i>	<i>25 %</i>	<i>L = 58.</i>

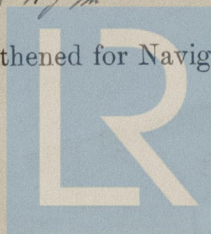
- (22) Where Dowel Pins are not fitted in the case of built crankshafts, the following information should be supplied:—

(a) Shrinkage Allowance:— *0.16 %*

(b) Yield point of Crankweb Material:— *24.75 kg/cm<sup>2</sup>*

- (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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