W71-0094

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 :— S.H. & W.R. LTD WALLSEND. Yard No. :— 1569

(2) Engineers :— " NEPTUNE WORKS. Engine No. :— 1624

(3) Type of Engine :— ~~Petrol, Paraffin or~~ Heavy Oil.

(4) ~~Smooth Water or~~ Open Sea Service.

(5) Two ~~or Four~~ Stroke Cycle.

(6) ~~Single or Double Acting or~~ Opposed Piston.

(7) Number of Cylinders :— 5 EACH ENGINE

(8) Diameter of Cylinders :— 670 M/M

(9) Stroke :— 2320 M/M.

(10) ~~Span of Bearings from inner edge to inner edge :~~ —

(11) Centres of Side Rods for Opposed Piston Engines :— 1300 M/M.

(12) Maximum Pressure in Cylinders :— 45 KG./CM^2 = 640 LBS/□"

(13) Mean Indicated Pressure :— 89 LBS/□"

(14) Brake Horse Power :— 5350 EACH ENGINE

(15) Revolutions per minute :— 110

(16) Weight of Flywheel :— AFT ABOUT ·85 TON
FOR^D DETUNER ABOUT 3·5 TON

(17) Diameter of Flywheel :— AFT 8'-2" ABOUT
FOR^D 5'-6" ABOUT

(18) GD^2 of balance weights :— ——

(19) Diameter of Propeller :— ——

(20) Is Propeller Shaft fitted with Continuous Liner :— ——

(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.
——	——	——	——

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

(a) Shrinkage Allowance :— ·0018" TO ·0020" PER INCH DIAMETER.

(b) Yield point of Crankweb Material :— NOT LESS THAN 50% OF TENSILE STRENGTH.

(23) Is vessel intended to have the notation :—" Strengthened for Navigation in Ice " :— ——

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