

# 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:— **Aalborg Værft A/S** Yard No.:— **64**
- (2) Engineers:— **A/S Burmeister & Wain, Copenhagen** Engine No.:— **2973**  
**2976**
- (3) Type of Engine:— ~~PETROL/PARAFFIN~~ Heavy Oil.
- (4) ~~Special Water~~ Open Sea Service.
- (5) Two ~~or Four~~ Stroke Cycle.
- (6) Single ~~or Double~~ Acting ~~of Opposed~~ Piston //
- (7) Number of Cylinders:— **6**
- (8) Diameter of Cylinders:— **500**
- (9) Stroke:— **900**
- (10) Span of Bearings from inner edge to inner edge:— **652 m/m**
- (11) ~~Centres of Side Rods for Opposed Piston Engines: //~~
- (12) Maximum Pressure in Cylinders:— **49 kg/cm<sup>2</sup>**
- (13) Mean Indicated Pressure:— **6,0 kg/cm<sup>2</sup>**
- (14) Brake Horse Power:— **3700** — *for 2?*
- (15) Revolutions per minute:— **164**
- (16) Weight of Flywheel:— )
- (17) Diameter of Flywheel:— ) **GD<sup>2</sup> = 1150 kgm<sup>2</sup>**
- (18) GD<sup>2</sup> of balance weights:— **4600 kgm<sup>2</sup>**
- (19) Diameter of Propeller:— **Propeller is carried out by Aalborg Værft A/S**
- (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:—~~
- |                                      |                         |                        |                          |
|--------------------------------------|-------------------------|------------------------|--------------------------|
| <del>Minimum Tensile Strength.</del> | <del>Yield Point.</del> | <del>Elongation.</del> | <del>Crack Length.</del> |
|--------------------------------------|-------------------------|------------------------|--------------------------|
- (22) Where Dowel Pins are not fitted in the case of built crankshafts, the following information should be supplied:—
- (a) Shrinkage Allowance:— **1/600**
- (b) Yield point of Crankweb Material:— **above 50% of the tensile strength**
- (23) Is vessel intended to have the notation:— "Strengthened for Navigation in Ice":— **Yes**
- the material of the propeller:— **Propeller to be made by Aalborg Værft.**

