

## AUXILIARY ENGINES.

# Lloyd's Register of Shipping.

*Data sheet for*

### PETROL, PARAFFIN AND HEAVY OIL ENGINES INTENDED FOR DRIVING AUXILIARY MACHINERY.

*(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 :— **F.Schichau G.m.b.H.** Yard No. :— **1424**
- (2) Engineers :— **Deutsche Werke Kiel A.G.** Engine No. :— **4 M 421**
- (3) Type of Engine :— Petrol, Paraffin or Heavy Oil. **Heavy Oil**
- (4) Two or Four Stroke Cycle. **Four**
- (5) Single or Double Acting or Opposed Piston. **Single**
- (6) Number of Cylinders :— **four**
- (7) Diameter of Cylinders :— **280 mm**
- (8) Stroke :— **420 mm**
- (9) Span of Bearings from inner edge to inner edge :— **310 mm**
- (10) Centres of Side Rods for Opposed Piston Engines :—
- (11) Maximum Pressure in Cylinders :— **46 kg/cm<sup>2</sup>**
- (12) Mean Indicated Pressure :— **6.5 kg/cm<sup>2</sup>**
- (13) Brake Horse Power :— **235 HP**
- (14) Revolutions per minute :— **360 revs. per min.**
- (15) 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.

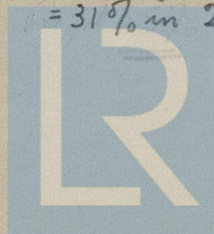
**50 kg/mm<sup>2</sup>**

**31.75 ton/in<sup>2</sup>**

**20% in 200 mm**

**200 mm**

**= 31% in 2"**



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W264-0128