

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 :— *M.V. EMPIRE WANSBECK'* Yard No. :—  
(2) Engineers :— *Maschinenfabrik Augsburg-Munberg* Engine No. :— *851910/920/930*  
*850470*  
(3) Type of Engine :— Petrol, Paraffin or Heavy Oil. *Heavy oil* *MAN Type G 5 V 33*  
(4) Two or Four Stroke Cycle. *Four*  
(5) Single or Double Acting or Opposed Piston. *Single*  
(6) Number of Cylinders :— *5*  
(7) Diameter of Cylinders :— *220 mm*  
(8) Stroke :— *330 mm*  
(9) Span of Bearings from inner edge to inner edge :— *256 mm*  
(10) Centres of Side Rods for Opposed Piston Engines :— ✓  
(11) Maximum Pressure in Cylinders :— ✓ *Pis. & journals 130 mm*  
(12) Mean Indicated Pressure :— ✓ *Crankweb breadth 240 mm*  
*" thickness 61 mm*  
(13) Brake Horse Power :— *180*  
(14) Revolutions per minute :— *460*  
(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.



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