

s. s. "MEERKERK". No.30905 in R.Bk.

Exhaust steam turbine installations

IT IS SUBMITTED the Rotterdam Surveyors be informed it is noted that the present diameter of the HP cylinder is 32.7/8". In the circumstances the sizes of thrust shaft in way of the collar, the coupling piece and the wheel shaft as stated in the Secretary's letter of the 21st instant, merit approval in accordance with the usual practice.

It is further noted that it is proposed ~~that this shaft~~ to fit a new single collar thrust shaft.

It should, however, be pointed out that this shaft is weakened by the cutting of two keyways and experience has shown that the coned couplings of thrust shafts in installations of this type require special consideration.

In the circumstances it is recommended that the size of the thrust shaft should be not less than 430 mm. diameter at the top of the cone as against the proposed diameter of 422 mm., or alternatively, the shaft be made of material having a tensile breaking strength of not less than 31 tons per sq.inch.

It is also noted that the diameter of the new propeller is the same as that previously used, viz:- 5800 mm. and in the circumstances the proposal to retain the existing intermediate and screw shafting could be accepted.

WJF

L 30/10/33



W.J.F.  
28.10.33.

Lloyd's Register  
Foundation

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