

Messrs. Vickers-Armstrongs' Yard No. 726.

Auxiliary Oil Engine Shafts.

Engine Makers: Messrs. R.A.Lister & Co. Ltd.

The crankshaft for this engine (type 4-JP) was approved in the Secretary's letter of the 30th May, 1935, for main or auxiliary purposes provided the shaft be made of steel having a minimum ultimate tensile strength of not less than 34 tons per sq. inch.

The Surveyors now forward for consideration a letter from the Firm stating that the ultimate tensile strength of the material of two of these shafts as revealed by tests is 32 tons per sq. inch, and request to be informed if these crankshafts could be accepted in this instance.

IT IS SUBMITTED the Bristol Surveyors be informed it is noted that the tensile strength of the material of these two shafts is 32 tons per sq. inch instead of 34 tons per sq. inch as recommended in the Secretary's letter of the 30th May, 1935, and since the approved diameter of the crank shafts is only slightly less than Rule requirements when using material having an ultimate tensile strength of 32 tons per sq. inch, [†] these crank shafts could be accepted in this instance.

It is concluded that the Yard Number of this vessel is 726, but this should be confirmed.

† and further since the percentage of elongation is much more than required by the Rules,

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WDA

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TRM

5th January, 1937.

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