

and Upper Dk.  
Total  
Gross Tonnage

s.s. "BELFRI" No.72363 in R.B.  
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This vessel was built in 1921 by Messrs.A/S Moss Vaerft of Moss, Norway, was classed with the Norske Veritas, and is now at Oslo undergoing survey with a view to classification with this Society.

Plans of the boilers and shafting have now been forwarded by the Oslo Surveyors for consideration.

With steam reciprocating engines having cylinders 20 $\frac{1}{2}$ ", 33" & 56" dia. by 36" stroke, working pressure 200 lb. per sq.inch, diameter of propeller 14'-6" and screwshaft without continuous liner, the sizes of shafting as shown on the plan meet the requirements of the Rules for the above working pressure with the exception of the screwshaft diameter, viz:- 11 $\frac{3}{4}$ ", which is less than required by the Rules, viz:- 12.09"; the thickness of metal of the crankshaft webs in way of the eyeholes is also slightly less than Rule requirements.

The scantlings of the boilers as shown on the plan meet the requirements of the Rules for the original working pressure of 200 lb. per sq.inch, with the exception that the rivet percentage of the circumferential end seams of the boiler shell is below Rule requirements, and the thickness of the combustion chamber back plates is somewhat less than required, due to the fact that the screw stays passing through these plates are riveted over at their ends instead of being provided with nuts.

IT IS SUBMITTED that, provided the working parts of the engines be opened out and examined and found to be in good and safe working condition, the screw shaft, also the crank webs, in way of the eyeholes taking the crank pins and body pieces, be specially examined and found to show no signs of strain; the boilers be examined throughout, their scantlings be as shown on the plan, the riveting of the end circumferential seams of the shells and the combustion chamber back plates be found to show no signs of strain, the boilers

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otherwise be found in good and safe working condition, and the pumping arrangements be in accordance with the requirements of the Rules, the machinery of this vessel <sup>might</sup> ~~will~~ be accepted for the original working pressure of 200 lb. per sq.inch, and a notation of LMC (with date), without the distinguishing mark ~~+~~, be assigned.

It is concluded a plan of the pumping arrangements will be forwarded for consideration in due course.

Return 2 plans - retain 2 copies.

E.H.K.

24. 16. 34.

W.D.A.  
S.D.D.

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