

S.S. "ETNA".

(No. 69347 in Register Book).

Proposed classification.

This vessel was built in 1918 by Messrs. Fredrikstad Mek. Verks. and classed with the Norske Veritas.

The Gothenburg Surveyors state that classification with this Society is now desired, and have forwarded a plan of line shafting together with particulars of the Lenz Type of steam reciprocating engines which are to replace the existing turbine machinery.

The new propelling plant will be built under the supervision of this Society.

IT IS SUBMITTED that, with steam reciprocating engines of the Lenz Type for main propelling purposes and having 2 HP cylinders 420 mm. diameter and two LP cylinders 900 mm. diameter, by 900 mm. stroke, working pressure 15 Kg. per sq. cm., diameter of propeller not exceeding 4420 mm., and screw shaft without liners, the proposed size of crank shaft, viz:- 285 mm. diameter merits approval.

The sizes of the straight shafting as shown on the plan, viz:- thrust 287 mm., intermediate 271 mm., and screw shaft 314 mm. diameter, also merit approval.

The proposal to use the existing screw shaft merits approval, provided, upon examination, it be found sound and free from defects.

It is concluded that the cut-off in the HP cylinder

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does not exceed .5 of the stroke, but this should be confirmed.

Plans of the boilers and pumping arrangements should be forwarded for consideration.

J. R. 03

Return 1 plan (No. 12185).

Retain copy.

12.2.27.

W. R. 03

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