

S.S. "PRENESTE"

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The vessel was built in 1920 by Messrs. Gio. Ansaldo & Co. under the supervision of the Surveyors to the Registro Italiano, but the Owners now wish the vessel to be classed with this Society.

It is stated that the vessel has not yet been in service, having been laid up since completion.

Plans of the boilers, shafting, double reduction gear, pumping arrangements and oil fuel burning installation, together with particulars of the steam turbine machinery have now been received for consideration.

With double reduction geared steam turbine machinery of 2890 shaft horse power, revolutions per minute of main shaft 65 and diameter of propeller 5800 m.m., the sizes of shafting, as given, viz:- thrust 364, intermediate 350, screw 388 m.m. diameter, are slightly below the requirements of the Rules, but are such as might be accepted; the scantlings of the boilers are such as might be approved for a working pressure of 12.65 kilogrammes per square centimetre (180 lb. per square inch) and the pumping arrangements/as shown on the plans are in accordance with the requirements of the Rules.

It is submitted that provided the working parts of the steam turbine engines and double reduction gear be opened out and examined and be found in good order and safe working condition; the boilers be examined throughout, the scantlings be as shown on the plan and the boilers be otherwise in good order and safe working condition; the flash point of the oil fuel be above 150 degrees F; the pumping arrangements and oil fuel burning installation be as shown on the plans and otherwise in accordance with the requirements of the Rules, the machinery of this vessel might be accepted for the original working pressure of



12.65 kilogrammes per square centimetre and the notation of LMC (with date) without the distinguishing mark \* be assigned, subject to the screw shaft being examined at the joints of the liners within two years' time from the date of survey.

The Genoa Surveyors should be informed it is concluded that a bilge injection of Rule size is fitted..

Plans of the oil fuel piping arrangement should be forwarded for consideration.

Note:- Sizes of Reduction Gear

H.P. & I.P. pinion shafts at bearings 75 mm.

L.P. " shaft " " 115 mm.

2nd Reduction " shafts " " 240 mm.

Revolutions per minute of turbines.

H.P. 4500

I.P. 3338

L.P. 2300

Return <sup>67</sup> plans.

*C. G. H.*  
8. 12. 22.

Sizes of Shafting.

	<u>As per Rule.</u>	<u>As Fitted.</u>	<u>Difference.</u>
Thrust	378 m.m.	364 m.m.	14 m.m..
Intermediate	360 m.m..	350 m.m.	10 m.m..
Screw	401 m.m..	388 m.m.	13 m.m..

L 2/10/23