

"Kratynia"

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Ship Quality Steel at Gdansk

Notes regarding the possible use at Gdansk of Ship Quality Steel supplied from Russian Steelworks and having a maximum Tensile Strength of 38 tons/sq.in.

It is considered that subject to certain proving tests of the characteristics of the steel being carried out to the Surveyors' satisfaction, material from these sources might, in this instance, be accepted for ships classed with the Society.

Provided

1. That check samples be analysed for nitrogen content to establish that the steel is of Open Hearth or Electric Furnace steel quality (Nitrogen content max .010%)
2. That representative test samples be analysed to show that the steel is of readily weldable quality with carbon content of .23% maximum - that sulphur and phosphorus content should not exceed .06%.

Also that the material complies with Chapter P Section 4 Para. 402 of the Rules.

3. That check Tensile and Bend tests be taken from the material. The tensile test should show that this grade of material with a tensile strength of 38 tons per sq.in. max also possesses adequate ductility.

Bend Tests should be taken and it would be reasonable to expect them to comply with Chapter P Section 3 Para. 308.

4. That before steel of this quality and source of origin could be accepted for use in circumstances where Notch Ductility is of special importance it would be necessary to establish this characteristic of the steel by means of Impact Transition Curves etc.



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010150-010162-0282