

"CONTE ROSSO"

URGENT.

Loeffler Boiler Installation

A number of plans relating to this case have been dealt with in previous endorsements, and as certain parts of these boilers will have a very high working temperature it was necessary to take account of the phenomenon of creep.

Accordingly it was stipulated when approving the plans that the creep properties of the material should be verified.

Further the Surveyors were asked to advise the Firms concerned that it would be necessary to carry out a comprehensive series of preliminary tests to demonstrate that they are capable of making good and efficient welds consistently.

The Trieste Surveyors now write stating that Messrs. Witkowitz, the Makers of this boiler, desire to hold a conference at their works at which representatives of the three classification societies concerned would be present, in order to discuss and arrange for the details of the creep tests and the welding tests.

The Trieste and Vienna Surveyors have already been fully advised regarding the preliminary welding tests which are required.

IT IS SUBMITTED the Vienna Surveyors be informed that Messrs. Witkowitz desire that this Society be represented at a conference to be held at their works, in order to discuss the tests which are intended to demonstrate the creep properties of the material for this installation, and further to discuss the proposed preliminary welding tests.

Accordingly Mr. Jung should arrange to attend this conference but he should confine his discussion to the two items mentioned, except in so far as matters of detail and matters relating to the arrangement for survey &c. may be raised.

So far as the welding tests are concerned, Mr. Jung should be guided by the memorandum which was enclosed with the Secretary's letter to the Vienna Surveyors of the 14th ultimo.



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In order to verify the creep properties of the various materials, it is desired that the Firms usual creep test be carried out and further that the tests be extended until the material has been under tension for at least 72 hours.. The extension of the test pieces should be observed at the end of the 24th, 25th, 35th and 72nd hour of the test. Such tests should be carried out on the Loeffler Special and Loeffler Normal steel at the stated creep limits at three temperatures, viz:- at maximum working temperature, ^{below} 50°C/and 50°C above working temperature.

Further the tensile breaking strength of the various materials at their working temperatures should be determined. The results of these tests should be forwarded to this Office as soon as they are available.

IT IS FURTHER SUBMITTED the Trieste Surveyors be informed that Mr. Jung is being instructed to represent this Society at the proposed conference at Witkowitz and a copy of a letter which is being addressed to the Vienna Surveyors should be forwarded to them.

*Ltr Vienna Trieste
7/9/35.*

WJ

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7.9.35.