

s.s. "CONTE ROSSO".

Loeffler Boiler Installation.  
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The contents of the memorandum forwarded with the Vienna Surveyors' letter of the 19th instant relating to the conference held at the Offices of Messrs. Vitkovice's Ironworks on the 19th ultimo, have been noted, and in regard thereto the following comments are made:-

A. Testing of the Material.

Item 1. Agreed.

Item 2. The ultimate tensile strength at working temperature should also be determined.

Item 3. In regard to the creep tests proposed to be carried out on Loeffler Special and Loeffler Normal Steels, it is noted that these will be carried out at 550°C. for Loeffler Special and 450°C. and 475°C. for Loeffler Normal. In this connexion the Surveyors should be referred to the Secretary's letter of the 17th ultimo, wherein it is stated that the Firm should be asked to give full information regarding the results of (creep) tests previously carried out on these materials over a range of temperatures including temperatures above the stated maximum.

B. Inspection of Welding.

Item 1. It is considered that at least two test samples representing each type of test should be taken. Thus, if there are 5 different tests there should be at least a total of 10 samples.

Item 2. Warm Tensile Tests. It is noted that this test is proposed to be carried out in respect of a welded joint made with "Loeffler Normal" Steel only, and the Surveyors should be asked to explain why similar tests are not proposed in the case of "Loeffler Special" and "St 55", and their combinations.

Items 3, 4, 5 and 6. Agreed.



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Item 7. Sub-paragraphs A & B. With reference to the proposed cold bend tests, the significance of the bending angle of 90° specified in paragraph 'a' is not appreciated, having regard to the bend test detailed in paragraph 'b' which is more severe in character.

Item 8. It is noted that the tests on welded joints will be carried out on specimens cut from test plates which, it appears, will serve the dual purpose of testing the welders and testing the quality of the welded joints. It is desired that particulars of all the test results obtained should be forwarded to the London Office, from time to time, as they are carried out. The particulars forwarded should differentiate between the following:-

1. Tests carried out to determine the strength of the welded joints.
2. Tests carried out to determine the efficiency of the welding operators.
3. Tests carried out on test plates welded in a vertical position as distinct from those welded in a horizontal position.

It is noted that Messrs. Vitkovice will carry out preliminary tests in order to determine whether the bend tests mentioned in Paragraph B, Section 7, can be carried out satisfactorily.

C. Auxiliary Arrangements and other details.

With reference to the low pressure steam pipes, the Surveyors should be informed that material tests should be carried out in accordance with Section 15 of the Rules for the Quality and Testing of Materials.

It is noted that the thickness of the deaireator will be not less than 6 mm.

The remaining paragraphs of Section C of the memorandum are noted and are in order.

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