



Inspection Certificate

Project: **Fire test in accordance with API Specification 16D**

Client: **Faster S.p.A.**
Via Ludovico Ariosto, 7
I-26027 Rivolta D'Adda (CR)
Italy

Office: **Viareggio**

Client's Order Number: **Request for Marine Services dated 10 April 2014**

Date: **18 June 2014**

Order Status: **Complete**

Inspection Dates

First: **18 April 2014**

Final: **18 April 2014**

This certificate is issued to **Messrs Faster S.p.a.**, to certify that, at their request, the undersigned Surveyor to Lloyd's Register EMEA did attend **Messrs LAPI Laboratorio Prevenzione Incendi S.p.a.** works, sited in Prato, on the above mentioned date for the purpose to witness fire tests carried out on the undernoted equipment in accordance with API American Petroleum Institute Specification 16D, July 2004:

Coupling OGVFR20 114NPTF & OGVFR20 114NPTM
identified with plans: AD004678, AD004679, DE000237, DE000237_components.

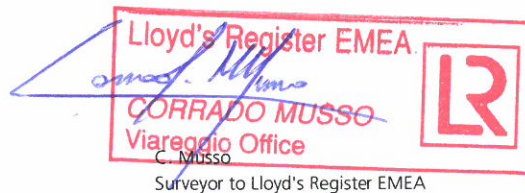
Scope of Inspection satisfactorily carried out limited to:

- Witness of Fire test on coupling in accordance with API Specification 16D, II Edition, July 2004, Chapter 10.1.2.
- Verification of specimen assembly components on fire test completion.
- Review of test data.

Notes:

- The fire test was carried out in gas fuelled furnace, the specimen has been placed in the furnace with two thermo couples wire affixed at 25 mm from the surface of the specimen.
- Prior to furnace ignition, hydrostatic pressure of 350 bar has been applied to the coupling assembly and held for the test's duration.
- Test commenced when the average temperature of the two thermocouples reached 700 °C and was terminated after 5 minutes of the heat exposure to the coupling assembly.
- Test report No. 655.0AE0200/14 dated 28/04/2014 issued by LAPI, Laboratorio Prevenzione Incendi S.p.a.

Test results considered satisfactory, the coupling assembly met the 5 minutes fire exposure at 700 °C without loss of pressure and leakages.



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