



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 25 July 2014**

Date: **28 June 2015**

Order Status: **Complete**

Inspection Dates

First: **03 November 2014**

Final: **21 May 2015**

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 Calenzano (FI), 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 FHVFR12 34NPT F & FHVFR12 34NPT M

identified with plans:

AD004896, AD004897, DE000260 01 to 28 & DE000260 29 to 53 female, male & components;

Scope of Inspection satisfactorily carried out limited to:

- Witness of Fire tests 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 tests were carried out in gas fuelled furnace, the specimens have 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 have been applied to the coupling assembly and held for the test's duration.
- Tests 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 reports No. 753.OAE0200/15 dated 22/05/2015 issued by LAPI, Laboratorio Prevenzione Incendi S.p.a.

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

C. Musso
Surveyor to Lloyd's Register EMEA

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