



## Inspection Certificate

Project: Fire test in accordance with API Specification 16D

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

Office: **Viareggio**

Client's Order Number: **Request for Marine Services dated 21 September 2015**

Date: **23 September 2015**

Order Status: **Complete**

Inspection Dates

First: **14 December 2015**

Final: **14 December 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 FHVFR16 1NPT F & FHVFR16 1NPT M

identified with plans:

DE00271\_FC, DE000271\_M,

DE000271\_01 to 28 female components, DE000271\_32 to 56 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.

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- 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. 2031.0AE0200/15 dated 16/12/2015 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.



R.Zuffi  
Surveyor to Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited



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### **Coupling FHVFR16 1NPT F & FHVFR16 1NPT M**

identified with plans:

DE00271\_FD, DE000271\_M,

DE000271\_01 to 21,24,29,30,31 female components, DE000271\_32 to 56 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:**

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