



INSPECTION CERTIFICATE

Project: **FIRE TEST PH183-FIRE SHIELD HOSE - API SPECIFICATION 16D**

Client: **POLYHOSE
353 Acme Way
Wilmington, NC 28401**

Office: **Houston Port**

Client's Order Number: **RFMS dated 20 May 2025**

Date: **18 August 2025**

Order Status: **COMPLETED**

Inspection Dates

First: **18 August 2025**

Final: **19 August 2025**

This certificate is issued to **POLYHOSE**, to certify that, at their request, the undersigned Surveyor to Lloyd's Register North America, Inc. did attend at Southwest Research Institute in San Antonio, Texas, on the above mentioned date for the purpose of witnessing the fire tests carried out on the following fire shield hoses in accordance with American Petroleum Institute (API) Specification 16D, November 2018:

Polyhose PH183-08 Fire Shied Hose
Polyhose PH183-10 Fire Shied Hose
Polyhose.PH183-12 Fire Shied Hose
Polyhose PH183-16 Fire Shied Hose
Polyhose PH183-20 Fire Shied Hose
Polyhose PH183-24 Fire Shied Hose

Scope of Inspection Satisfactorily carried out limited to:

- Witness of Fire Tests on Fire Shield Hose in accordance with API Specification 16D, III Edition, November 2018, Chapter 14.6.2
- Verification of test equipment calibration records.
- Verification of Fire Shield Hoses assembly components on Fire Tests 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 three pairs of thermo couples, diametrically opposed were placed at a distance of 1 inch from the surface of the specimen.
- Prior to furnace ignition, hydrostatic pressure of 5000 psig has been applied to the coupling assembly and held for the test's duration.
- Tests commenced when the average temperature of the two thermocouples reached 1300 °F and were terminated after 5 minutes of heat exposure to the coupling assembly.
- Test reports No. 01.29041.01.204a/dated 02/10/2025, No. 01.29041.01.204b/14 dated 02/10/2025, issued by SwRI, Southwest Research Institute, San Antonio, TX.
- Test results considered satisfactory, the PH183 – Fire Shield Hose assembly met the 5 minutes fire exposure at 1300 °F without loss of pressure and leakages.

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Vincent Nguyen
Surveyor to Lloyd's Register North America, Inc.

a member of the Lloyd's Register group.

