

NOV Fiber Glass Systems Red Thread® IIA piping systems, which includes primary & secondary pipe, primary & secondary fittings and adhesives are **UL Listed** for the following fuels:

**Type A**

- 100% Reference Fuel #2 (represents Diesel, per UL)
- 100% Fuel C (represents Unleaded Gasoline, per UL)
- 85% Fuel C/15% MTBE
- 85% Fuel C/15% Methanol
- 70% Fuel C/30% Ethanol
- 100% Methanol
- 100% Ethanol
- 50% Fuel C/50% Methanol
- 50% Fuel C/50% Ethanol
- 100% Premium Leaded Gasoline
- 100% Kerosene

**Type B**

- 1% HCl
- 1% Nitric Acid
- Sodium Bicarbonate (Ph 10)
- Sodium Hydroxide (Ph 12)
- 100% Toluene

Fuels not specifically tested or UL 971 Listed, but **compatible** with Red Thread IIA piping systems, which includes primary & secondary pipe, primary & secondary fittings and adhesives, are as follows:

- E85 (although E85 is not specifically tested, UL did test E30, E50 and E100)
- Biodiesel (All Blends)
- Av-Gas
- Jet Fuel
- DEF

The 2005 UL 971 Standard, which became effective on July 1, 2005, required testing for the following fuel groups:

**MV Fuels- Motor Vehicle**

Type A- 100% Ref. Fuel # 2, 100% Fuel C, 85% Fuel C/15% MTBE, 85% "C"/15% METH., 70% "C"/30% ETH.)

Type B- 1% HCl, 1% Nitric Acid, Sodium Bicarbonate (Ph 10), Sodium Hydroxide (Ph 12)

**CT Fuels- Concentrated**

Type A- 100% Methanol & 100% Ethanol

Type B- None

**HB Fuels- High Blend**

Type A- 50% "C"/50% Methanol & 50% "C"/50% Ethanol

Type B- 100% Toluene

**AM Fuels- Aviation & Marine**

Type A- 100% Premium Leaded Gas & 100 % Kerosene

Type B- None

The applications identified in the 2005 UL 971 Standard are as follows:

**PC-** Primary Carrier

**SC-** Secondary Containment

**NV-** Normal Vent

**VR-** Vapor Recovery

**NOV Fiber Glass Systems Red Thread IIA pipe, fittings and adhesives have been tested and UL Listed for all fuels and all applications identified in 2005 UL 971. This includes both the only DW Bonded Sump Entry/Termination and Bonded Sump Entry Fittings.**

**NOTICE OF AUTHORIZATION TO APPLY THE UL MARK**

2005-07-01

Mr. Leonard Pikey  
Smith Fibercast  
2700 W. 65<sup>th</sup> St.  
Little Rock, AR  
United States

E-mail: [lpiskey@varco.com.com](mailto:lpiskey@varco.com.com)Reference: File **MH8432** Project 04NK19367

Products: USL/CNL - 2, 3 and 4 in. Diameter Red Thread IIA Carrier, Secondary Containment, Vent and Vapor Recovery Pipe and Fittings and DS7000 and DS8000 Series Adhesives for Use With Motor Vehicle Fuels, Concentrated Fuels, High Blend Fuels and Aviation and Marine Fuels

Dear Mr. Pikey,

UL's investigation of your products have been completed under the above project number and the subject product was determined to comply with the applicable requirements of UL971, Standard for Nonmetallic Underground Piping for Flammable Liquids, First Edition Dated October 30, 1995, with revisions dated January 2, 2004.

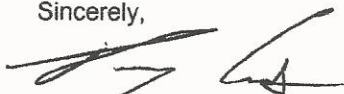
This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL's Follow-Up Service Program to the subject products, which are constructed similarly to those product submitted for this investigation and to products covered in the UL Follow-Up Services Procedure, File MH8432, Volume 1.

This authorization applies only to the address on this letter.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

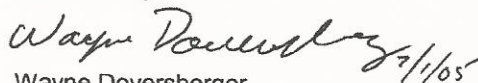
Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn.

Sincerely,



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Reviewed by:



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