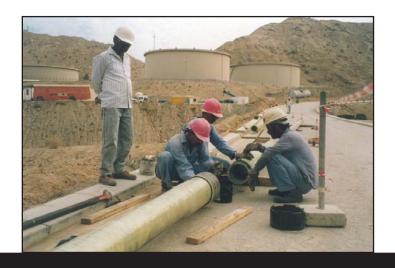
## Firefighting System for Crude Oil Storage Tanks



Application: Fire water / Foam solution piping system

Location: Muscat, Sultanate of Oman, Tank 109 - October 1992

Product: 6" Aliphatic Amine Series 800 Line Pipe (Designed according to API 15HR)

8" Aliphatic Amine Series 800 Line Pipe (Designed according to API 15HR)

6" and 8" Aliphatic Amine Series Fittings - Elbows, Tees, Flanges

Joining System: API 8rd Advanced Composite Thread (ACT) Threaded and Coupled

Quantity: 6" - 560 ft. (170 m)

8" - 4000 ft. (1200 m)

Product Conditions: Design Pressure: 800 psi (55 Bars)

Pressure Rating: 235 psi (16,5 Bars)

Design Temperature: 200°F (93,3°C) Temperature Rating: 180°F (82°C)

Test Pressure: 360 psi (24,75 Bars)



## Installation: Firefighing System for Crude Oil Storage Tanks

Installation:

Sea water is used as fire water. Two 8" Glass Reinforced Epoxy (GRE) lines are routed from the existing hydrant lines to form a main around a new crude oil storage tank. Both lines are connected to the 8" GRE ring main around the tank. An above ground 6" carbon steel is connected to a foam proportioning unit. From this unit, the buried part of the foam solution piping is GRE.

The system is designed for 20 years life under the service conditions described above.

North America 17115 San Perdo Ave. Suite 200 San Antonio, Texas 78232 USA Phone: 210 477 7500 South America Avenida Fernando Simoes Recife, Brazil 51020-390 Phone: 55 31 3501 0023 Europe PO. Box 6, 4190 CA Geldermalsen, The Netherlands Phone: 31 345 587 587 Asia Pacific
No. 7A, Tuas Avenue 3
Jurong, Singapore 639407
Phone: 65 6861 6118

Middle East P.O. Box 17324 Dubai, UAE Phone: 971 4881 3566

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