



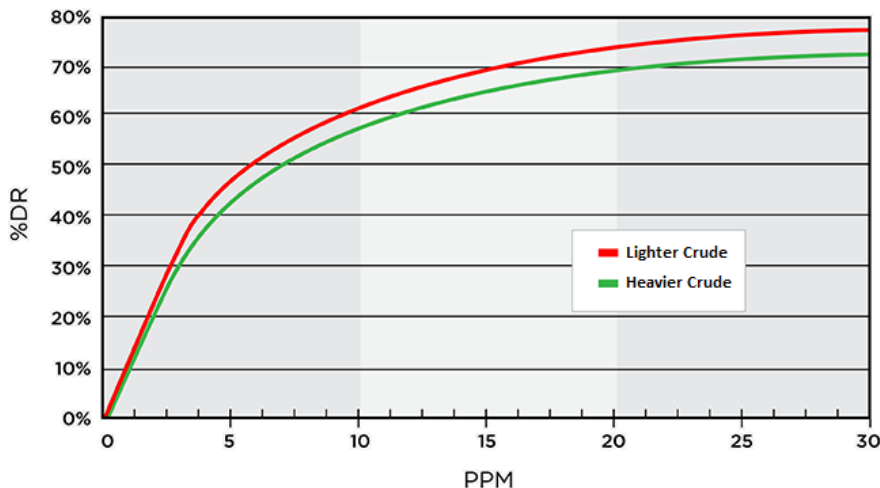
The next generation in Pipeline Drag Reducing agents...

DESCRIPTION

Rheonic PA DRA is a blend of surfactants and long chain polymers, designed to reducing pressure and increase throughput in oil transmission lines.

Rheonic PA DRA maximizes the capacity of petroleum pipeline systems by reducing turbulence, viscous drag and frictional pressure losses within pipeline networks. It is highly effective at reducing system pressures in pipelines at very low application rates

Rheonic PA DRA
Performance Curve



PRODUCT ADVANTAGES

- **Reduces energy usage** by dramatically reducing pump pressures
- **Maximizes pipeline throughput** with existing assets.
- Up to **80% drag reduction**.
- **Easily applied** with positive displacement pump.
- **Non-Hazardous**

APPLICATION

- Typical Dosage Rate: 10-40 ppm (depending on flow volume and line restriction)
- It is ideal to begin at lower injection rates and increase slowly for full system saturation.
- Applicable to **ALL** crude oil pipelines
- Applied by injecting neat into the flowing stream of crude, downstream of any flow restrictions.

PHYSICAL PROPERTIES

Appearance: White liquid
Specific Gravity: 0.89
Odor: Slight hydrocarbon
Flash Point: 210.0°F (98.9°C)

PACKAGING

Rheonic PA DRA is available in 275 and 330 gallon poly-totes.

Houston, Texas | Lafayette, Louisiana | Elk City, Oklahoma
Williston, North Dakota | Midland, Texas | Corpus Christi, Texas



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