

VALVE LUBRICANT 601

Synthetic Valve Lubricant and Sealant



DESCRIPTION

Valve Lubricant 601 is a specially formulated valve lubricant based on a bespoke synthetic base material, providing complete resistance to all produced hydrocarbon media, and incorporating an advanced corrosion inhibition system.

Valve Lubricant 601 contains special EP & AW additives and, combined with a base oil of very high film strength, displays excellent lubricating properties. The special texture provides maximum adhesion to all metal surfaces even when subjected to very high pressures.

APPLICATION

Valve Lubricant 601 has been field proven in gate and plug valves used in Crude Oil and Natural Gas production and pipeline equipment. Particularly suitable for use where sour crude and gas, acids, sand slurries and difficult condensates are encountered.

TYPICAL CHARACTERISTICS

Thickener	Inorganic (non soap)
Base fluid type	Synthetic oil
Texture	Smooth - Adhesive
NLGI grade	No.2
Penetration @ 25°C	265 – 295
Drop point	Infusible
Temp Range	-20°F to 350°F
Oil Separation IP121	<2% @ 250°F / 7 Days
4 Ball EP Test IP239	Weld Load > 620 kg
Water Spray-Off....	
..ASTM D4049 (100°F)	<10% weight removed

BENEFITS

- Reduced number of lubricants required.
- Wide operational temperature range.
- Highly chemically resistant.
- Highly adhesive, will remain in the valve cavity under high differential pressures.
- Will not harden in use (within temp range)
- Highly resistant to oxidation.
- Proven to seal leaking gate valves.
- Proven to seal plug valves at 15,000 psi.
- Currently used to seal McEvoy valves.

RESISTANCE

- Crude Oil, Natural Gas, Condensate
- H₂S and CO₂
- Salt Water / Brines
- Frac Acid (HCL & HF)
- Diesel fuel
- Produced Sand
- Drilling muds

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