

# 1111

## SYNTHETIC VALVE LUBE

### PRODUCT DESCRIPTION

1111 Synthetic Valve Lube is a synthetic lubricant for application to valves, swivel joints, pumps, and flanges where sour gases, including hydrogen sulfide, and crudes are present. 1111 Synthetic Valve Lube has a temperature range of 0°F to >400°F (-17°C to >204°C) and a penetration of 220. After injection into the valve 1111 Synthetic Valve Lube protects the valve from galling or scoring thus significantly reducing torque requirements for normal operation. It is water-resistant, protects against corrosion thus extending the life of equipment, and is extremely adhesive to all metal surfaces.

### APPLICATION

1111 Synthetic Valve Lube is used in applications worldwide where hydrogen sulfide and carbon dioxide are present. It is also used for service in acid solutions, diesel fuel, sour crude, aliphatic hydrocarbons, sulphonated oils, sour gas, and water. 1111 Synthetic Valve Lube areas of applications include ball valves, plug valves, gate valves, swivel joints, pump, and flanges in sour gas environments.

### TYPICAL OBSERVATIONS

Color	Black
Texture	Paste
Odor	
Density, lb/gal @ 77°F (25°C)	7.75
Specific Gravity, @ 77°F (25°C)	0.929
Temperature Range	0°F to >250°F (-17°C to >121°C)
Penetration,	
ASTM D-217 @ 77°F (25°C)	255-265
Flash Point, ASTM D-92	>400°F (>204°C)
Dropping Point, ASTM D-2265	>450°F (>232°C)
Corrosion Preventive Properties,	
ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics,	
ASTM D-1264 @ 100°F (37°C)	Nil
Temperature Range	0°F to >400°F -17°C to >204°C
Shelf Life (unopened container)	Two years

### BENEFITS

- Synthetic based
- Biodegradable
- Services sour gases, including hydrogen sulfide, and crudes
- Protects against corrosion
- Non-toxic
- Water-resistant
- High metal adhesion
- Broad temperature range, 0°F to >400°F (-17°C to >204°C)
- 220 penetration

FRAC

FLUSH

ARCTIC

STORAGE

SEALANTS

CLEANERS

ASSEMBLY

BALL VALVE  
LUBRICANTS

GATE VALVE  
LUBRICANTS

PLUG VALVE  
LUBRICANTS

STICK PACKING



*Liquid-O-Ring*®\*

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