

# EZY-TURN™ POLAR

Gate Valve Sealant for Arctic Conditions



## TECHNICAL DATA SHEET

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### DESCRIPTION

**EZY-TURN™ POLAR** Gate Valve Sealant is a grey/black lubricant designed for oilfield use under arctic conditions. EZY-TURN POLAR is not affected by hydrogen sulfide encountered in sour crude and gas. It is also resistant to carbon dioxide. Pumpable with a high pressure lubricator to -59°C (-75°F).

**EZY-TURN POLAR** is resistant to hydrocarbons at low temperatures and will not absorb or mix with water, preventing freeze-up at low temperatures. Contains 100% synthetic base oils which are chemically resistant to severe acid conditions. Graphite is incorporated as a solid boundary lubricant to prevent galling of valve gates and seats. Normal valve operation requires less torque than with other products.

Recommended Cleanup: Although conventional solvents like methanol, ethanol, IPA, chlorinated solvents, aromatic solvents, acetone and other ketones can be utilized, Jet-Lube recommends its EZY-OPEN™ or other safe oxygenated solvents. EZY-OPEN is a nontoxic, nonflammable, biodegradable lubricant and cleanser specifically designed for valve cleaning applications. It contains no components listed as federal hazardous wastes.

### APPLICATIONS

EZY-TURN POLAR is designed for oilfield gate valve lubrication under arctic conditions. It is resistant to hydrocarbons, hydrogen sulfide, carbon dioxide and water. Remains an effective sealant and lubricant to -59°C (-75°F).

### SERVICE RECOMMENDATIONS

Carbon Dioxide	Sour Crude
Hydrogen Sulfide	Sour Gas

#### OPERATING RANGE:

-59°C to 121°C (-75°F to 250°F)

### CHARACTERISTICS

- Synthetic Oil Base
- Contains Graphite
- Pumpable
- Biodegradable
- Acid Resistant
- Color: Grey/Black
- Nontoxic
- Reduces Torque
- Repels Water
- Hydrocarbon Resistant

### PRODUCT SPECIFICATIONS

Appearance	Grey/Black Paste
Cone Penetration (ASTM D-217), MMx 10 <sup>-1</sup>	265 - 295
Density (lbs/gallon), Typical	9.21
Specific Gravity, Typical	.92
Dropping Point (ASTM D-2265)	None
Oil Separation, Wt. % (FTMS 791.B M 321.2)	5.0 Max.
Thickener	Inorganic
Flash Point (ASTM D-92)	>224°C (435°F)

### PACKAGING

Inventory Code	Size	Description
91522	10 Lb.	Can
91516	35 Lb.	Pail
91524	120 Lb.	Keg
91529HL	400 Lb.	Drum



**Certification** Mil Spec MIL-C-23411

### LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube of Canada Ltd.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube of Canada Ltd. shall not be liable for incidental or consequential damages.