

# JET-LUBE® Z-40™ • Z-50™ • Z-60™ TOOL JOINT COMPOUND

## DESCRIPTION

JET-LUBE® Z-40™, Z-50™, and Z-60™ all contain prime grade zinc and are respectively formulated with 40%, 50%, and 60% metallic zinc, meeting the metallic zinc requirements described in API RP 5A3 Annex 1. All contain special additives to reduce the plating and buildup of metallic zinc encountered with other zinc compounds.

Z-40, Z-50 and Z-60 are manufactured with JET-LUBE's unique grease compounded from custom refined, low sulfur oil. The grease base ensures brushability over a wide temperature range, tenacious adherence to all surfaces, resistance to water wash out, and the prevention of rust/corrosion. The metallic zinc particles and other additives are maintained in uniform suspension throughout the compounds, and Z-40, Z-50 and Z-60 displace moisture and adhere well to wet tool joint surfaces.

- Non-plating
- Low sulfur content (<0.1% active sulfur)
- Non-reactive, no gassing
- Brushable over a wide temperature range
- Sticks to wet joints
- Consistent rig floor make-up
- Resistant to further downhole make-up
- Z-50 is available in Arctic grade

## APPLICATIONS

JET-LUBE Z-40, Z-50 and Z-60 Tool Joint Compounds are designed to provide the maximum protection for tool joint threads and shoulders over a wide variety of conditions. They prevent galling and wear plus ensure consistent rig floor make-up while providing some resistance to further make-up downhole.

## PRODUCT CHARACTERISTICS

Thickener	Aluminum Complex
Fluid Type	Petroleum
Color/Appearance	Smooth Grey Paste
Dropping Point (ASTM D-566)	385°F (196°C)
Specific Gravity Z-40, Z-50, Z-60	1.49, 1.78, 2.09
Density (lbs/gal) Z-40, Z-50, Z-60	12.3, 14.8, 17.4
Oil Separation	<5.0
WT. % LOSS @ 212°F (100°C)	
Flash Point (ASTM D-92)	>430°F (221°C)
NLGI Grade	1 ½ - 2
Penetration @ 77°F (ASTM D-217)	275 - 305
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	500
Weld Point, kgf	
Friction Factor	1.0
Recommended Torque	Per API RP 7G
Service Range	0°F (-18°C) to 300°F (150°C)

**For package types and part numbers  
contact [sales@jetlube.com](mailto:sales@jetlube.com).**

## LIMITED WARRANTY

For warranty information please visit  
[http://www.jetlube.com/pdf/Jet-Lube\\_Warranty.pdf](http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf)

You can also email us at [sales@jetlube.com](mailto:sales@jetlube.com) or write to the Sales Department at the address below.