

# Z-50™

## Tool Joint Compound



### TECHNICAL DATA SHEET

3820 - 97 Street, NW, Edmonton, Alberta Canada T6E 5S8 • Phone (780) 463-7441 Toll Free 1-888-771-7775 Fax (780) 463-7454 Toll Free 1-888-449-4449  
email: sales@jetlubecanada.com Web site: www.jetlubecanada.com

#### DESCRIPTION

**JET-LUBE's Z-50™** is the finest metallic zinc compound on the market today. It is specially formulated and tested to insure the best brushability and maximum protection under the widest temperature ranges. **Z-50** has been test proven to significantly reduce stresses within tool joints, compared to a typical zinc compound.

**Z-50** contains pure metallic zinc dust, exceeding the requirements set forth by API Bulletin 5A3. In addition, Z-50 contains a proprietary binder that dramatically increases the compound's ability to reduce friction and thus retard make-up, yet minimizes the plating of metallic zinc in the joints.

The oils used by Jet-Lube to manufacture Z-50's grease base contains less than .2% sulphur. **Z-50** is manufactured to conform to the recommendations of the IADC's Tool Pusher's Manual, Section B-2, Page 2.

**Z-50** is milled during the manufacturing process, thus assuring a uniform, consistent, smooth compound which applies evenly.

#### APPLICATIONS

**Z-50** is 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 resistance to further make-up downhole.

#### OPERATING RANGE:

-18°C to 205°C ( 0°F to 400°F)

#### CHARACTERISTICS

- Non-plating
- Low sulphur content
- 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

#### PRODUCT SPECIFICATIONS

Thickener	Aluminum Stearate
Fluid Type	Petroleum
Color/Appearance	Smooth Grey Paste
Dropping Point (ASTM D-566)	91°C (195°F)
Specific Gravity, Typical	1.59
Density (kg/l), Typical	1.59
Oil Separation, Wt. % Loss @ 100°C (212°F)	<5.0%
Flash Point (ASTM D-4049)	>221°C (430°F)
NLGI Grade	2
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 4 Ball (ASTM D-2596)	
Weld Point, kgf	500
Recommended Torque	Per API RP 7G

#### PACKAGING

Inventory Code	Container Size	Container
20408	8 Kg	Pail
20414	15 Kg	Pail
20425	25 Kg	Pail



#### 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.