

12 French Drive, R.R.#5 Orangeville, Ontario Canada L9W 2Z2  
Tel. (519) 942-8800 Toll Free (800) 252-5636 Fax (519) 942-4799

## CHAIN LUBE FCL-30

### Product Description

Applied Lubrication Technology Inc. Chain Lube FCL-30 was specifically developed to meet the extreme lubrication demands of Heat Treatment Furnace Chains which reach temperatures beyond the capabilities of even the best, non solid containing, synthetic lubricants. The highly refined base stock utilized in this lubricant was selected due to its ability to quickly penetrate the hot chains, while aiding to clean the chain surfaces and break down residue that is present from previously utilized lubricants. As the carrier delivers the solid film lubricant to the chains internal wear points it evaporates relatively quickly, therefore reducing the amount and longevity of smoking that occurs. Chain Lube FCL-30 contains a highly stable wear and friction reducing dispersion of ultrafine graphite particles which lubricate effectively at temperatures up to 482°C (900°F), and helps to prevent metal to metal contact.

The FCL-30 base stocks and additives are all Copper and Zinc free by design in order to comply with requirements of specific Heat Treatment Processes. Chain Lube FCL is ideally applied by the ALT automatic lubrication system.

Other advantages are as follows:

- Eliminates galling, seizing, stick-slip, and press-fit distortion
- Reduces break-in time for new equipment
- Prevents fretting
- Protects against Corrosion

Some of the important physical properties of this product are provided in the table below.

### Chain Lube FCL-30 Technical Specifications

Appearance	Black
Base Viscosity	28 cSt@ 40°C (132 <a href="#">sus@104°F</a> )
	5.4 cSt@ 100°C (43.7 <a href="#">sus@212°F</a> )
VI (Viscosity Index)	133
Flash Point	>200°C (392°F), COC
Specific Gravity @ 15.6°C	0.8706 (g/ml)
Operating Temperatures	Up to 900°F

### Product Applications

This higher viscosity lubricant has been specifically developed for the lubrication of Heat Treatment Furnace Chains and other chain applications that are subject to increased temperatures.

### Product Packaging

Chain Lube FCL-30 is available in 20 liter Plastic Pails, 200 liter drums, and 1200 liter returnable tote bin quantities.

All reasonable care has been taken to ensure that the information contained in this document is accurate as of the date of printing. However, such information may be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Applied Lubrication Technology Inc. products and must be consulted for appropriate storage, safe handling and disposal information of the product.