



## Product Data

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**Tribol 1430**

**High Temperature Chain Oil**

### DESCRIPTION

Tribol 1430 High Temperature Chain Oil is formulated from a synthetic, ester base fluid selected for controlled volatility and self-cleaning properties

### APPLICATION

Tribol 1430 High Temperature Chain Oil was developed to lubricate oven chains. Tribol 1430 High Temperature Chain Oil is especially recommended for chain lubrication at temperatures above 150°C. It is used for the lubrication of chains in lithograph and metal decorating ovens, in beverage can and container industries, as well as point drying ovens in automotive and appliance manufacturing. The outstanding characteristic of Tribol 1430 High Temperature Chain Oil is the long-lasting fluidity.

### FEATURES

- ◆ Tribol 1430 High Temperature Chain Oil is formulated from temperature stable esters.
- ◆ The viscosity of Tribol 1430 High Temperature Chain Oil provides for excellent wetting of chain pins at temperatures even above 150°C. The product contains anti-wear additives for additional protection in the areas of boundary and mixed friction and at high operating temperatures
- ◆ Rust and oxidation inhibitors protect chains from corrosion at standstill and extend the lubricant's life
- ◆ Tribol 1430 High Temperature Chain Oil compared to other high temperature chain oils on the market stays fluid much longer at high temperatures.
- ◆ Tribol 1430 High Temperature Chain Oil is still fluid when other oils have become highly viscous and have built up residues through chemical and thermal degradation.

### BENEFITS

- ◆ Controlled volatility characteristics of Tribol 1430 High Temperature Chain Oil can often reduce the lubricant amount to be applied and/or extend the interval between re-application.
- ◆ Reduced applications minimise soiling due to dripping or 'blow-off'
- ◆ Excellent fluid film and anti-wear properties control chain wear
- ◆ Self-cleaning action all but eliminates the need to stop production to periodically clean some equipment. Tribol 1430 High Temperature Chain Oil also tends to dissolve and facilitate the removal of carbonaceous residues left by previous lubricants.

Tribol 1430  
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All reasonable care has been taken to ensure that the information contained in this publication is accurate at the date of printing. It should be noted however that the information may be effected by changes subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such Products

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#### BENEFITS (Cont.)

- Fire and explosion hazards are greatly reduced. The ignition temperature of Tribol 1430 High Temperature Chain Oil far exceeds that of petroleum products
- Tribol 1430 High Temperature Chain Oil has low residue forming properties, any residues formed are still fluid and have lubricating properties
- Tribol 1430 High Temperature Chain Oil is compatible with the following sealing materials: Fluoroelastomers, silicone rubber, nitrile rubber (with more than 30% acrylonitrile) and EPDM-elastomers.
- Tribol 1430 High Temperature Chain Oil has excellent wetting and adhesive properties
- Cost reduction may be achieved by extended lubrication cycles, reduced soilage, decreased downtime for repairs and maintenance, and also longer service life of parts. Reduction of the friction and drag from deposits can significantly lower the power requirement to operate oven chains

#### TYPICAL PHYSICAL CHARACTERISTICS

Specific Gravity @ 15°C, g/ml DIN 51757	0.949
Viscosity @ 40°C, cSt (DIN 51550)	150
@ 100°C, cSt	17.1
Viscosity Index (ISO 2909)	124
Flash Point, °C (DIN 51376)	268
Pour Point, °C (ISO 3016)	-33
4-Ball Wear Test (DIN 51350-03-B)	
[1h, 300N, 1420 min <sup>-1</sup> ] Scar Diameter, mm	< 0.30

Subject to the usual manufacturing tolerances.

#### METHOD OF USE

Tribol 1430 High Temperature Chain Oil may be applied by drip, spray, splash and pressurised lubricating systems compatible with oils of this viscosity.

#### NOTES

Do not use Tribol 1430 High Temperature Chain Oil with neoprene seals under any circumstances.

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