

# THE THERMAL-LUBE

## SYNTHETIC POLYOLESTER-BASED OIL

# XL0895

June 2022

### CHARACTERISTICS:

**XL0895** series of synthetic lubricants are designed for the lubrication of bearings, chains, slide-ways and gears where temperatures may exceed 150°C. These fluids are anti-static and will not leave any residue after the carrier evaporates. (Use **XL0895/900** series for molybdenum residue)

**XL0895** is a polyolester-based lubricant formulated without any unstable polymers to increase its viscosity index. This helps eliminate the formation of varnish and carbon deposits at high temperatures. The inherent high viscosity index of **XL0895** permits optimal lubrication across a wide range of temperatures.

**XL0895** does not leave any carrier residue, thereby eliminating the accumulation of solid matter which may cause mechanical breakdowns and increase overall maintenance costs. This fluid will, in most applications, dislodge existing sludge and varnish formed from previous lubricant applications.

**XL0895** reduces energy consumption by maintaining a clean lubricating film, even at high temperatures, which extends the interval between re-lubrication and reduces the amount of oil consumed. This also reduces the smoke and odours inherent to hot oil.

**XL0895** was formulated specifically to give maximum protection against wear, rust, oxidation and corrosion, thereby prolonging equipment life, while reducing overall maintenance costs.

### ADVANTAGES:

- Exceptional stability at high temperatures
- Cleanliness
- Low Volatility
- Energy Efficiency
- Improved Protection
- High Viscosity Index

**XL0895** is recommended for:

- High temperature conveyor chains.
- Chains for bottling plants.
- Chains in ceramic plants
- Bearings for drying ovens.
- Bearings, seals etc.
- Textile industry



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# SYNTHETIC POLYOLESTER-BASED OIL

# XL0895

## TYPICAL SPECIFICATIONS

| Product Code: XL0895   | /046         | /068         | /100         | /220         | /225         | /229         | /320         | /460         |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ISO Grade  | 046          | 068          | 100          | 220          | 220          | 220          | 320          | 460          |
| SAE Grade  | 10           | 20           | 30           | 50           | 50           | 50           | -            | -            |
| Viscosity (cst @ 40°C) (ASTM D445)<br>(cst @ 100°C) (ASTM D445)                      | 46.3<br>7.5  | 71.6<br>10.8 | 101<br>12.9  | 235<br>24.0  | 237<br>25.4  | 220<br>18.8  | 318<br>29.1  | 470<br>40    |
| Viscosity Index  | 127          | 140          | 124          | 128          | 130          | 95           | 125          | 125          |
| Rust Test (Distilled Water, 48 hrs) (ASTM D6557)<br>(Sea Water, 48 hrs) (ASTM D6557) | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass | Pass<br>Pass |
| Flash Point (°C)   | 240          | 243          | 245          | 248          | 266          | 300          | 260          | 248          |
| Fire Point (°C)  | 265          | 277          | 278          | 279          | 316          | -            | 280          | 280          |
| Autoignition Point (°C)  | 400          | 410          | 410          | 410          | -            | -            | 410          | 410          |
| Pour Point (°C)  | <-40         | -40          | -38          | -37          | -18          | -36          | -32          | -22          |
| Residue (% weight)   | <0.01        | <0.01        | <0.01        | <0.01        | <0.01        | <0.01        | <0.01        | <0.01        |
| Evaporation Loss 4hrs @ 204°C (% weight)   | <2           | <2           | <2           | <2           | <2           | <0           | <1           | <1           |
| Shell 4 Ball Wear Test 40kg  | 0.37         | 0.38         | 0.38         | 0.38         | 0.35         | 0.35         | 0.37         | 0.36         |
| Specific Gravity (g/ml @ 15°C)   | 0.88         | 0.88         | 0.90         | 0.91         | 0.94         | 0.97         | 0.93         | 0.93         |

### Before using any one of the XL0895 series of fluids:

A special formulation containing a solvent (**XL0895/469**) should be used to clean the sludge left in equipment by previous oils or greases.

Add **XL0895/469** between 5 and 10% of the oil capacity and let the equipment run unpressurized at a maximum temperature of 50°C for 24 to 48 hours.

Once completed, change the filter, drain the oil and replace it with new **XL0895** fluid.



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