

MIGHTY LUBE



Mighty Lube Systematic Lubrication, Inc.

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TECHNICAL DATA SHEET TYPE 38 LUBRICANT

High Temperature, Ashless, Synthetic Conveyor Lube

Mighty Lube Type 38 is a unique synthetic lubricant designed to lubricate bearings, chains, slides, and gears in industrial applications where air temperatures often exceed 500°F. They are ashless fluids and do not contain residue forming solids. In addition, Mighty Lube Type 38 contains proprietary ashless esters to make it suitable in applications like chains and bearings that run at high temperatures. Type 38 will not leave particles behind at high temperatures.

Some outstanding Type 38 advantages are:

- **EXCEPTIONAL HIGH TEMPERATURE STABILITY** – Type 38 is made from polyol esters. This unique feature results in no carbon or varnish deposits in high temperature applications; also, it will break down old carbons or varnishes left by other oils or lubricants.
- **CLEANLINESS** – Type 38 is an ashless lubricant; this helps eliminate the accumulation of solids that create maintenance clean-up problems and downtime. In fact, Type 38 is often credited with helping to clean chains already dirtied by inferior lubricants.
- **LOW VOLATILITY** – Type 38 maintains a liquid lubricating film at elevated temperatures, thus providing substantially longer lubrication intervals, reduced lubricant consumption, and less smoke.
- **ENERGY EFFICIENT** – Because Type 38 is a clean, fluid-film lubricant, it will frequently provide significant reductions in equipment energy consumption.
- **BETTER PROTECTION** – Type 38 is formulated to provide excellent protection against wear, rust, oxidation and corrosion, thus extending equipment life and reducing maintenance costs.
- **OPTIMUM VISCOSITY** – Type 38 is balanced to provide thorough penetration at lower application temperatures, and optimum lubrication protection in severe applications.

| Typical | | |
|-----------------------|--------------------|---------------|
| <u>Property</u> | <u>Inspections</u> | <u>Method</u> |
| SAE Viscosity Grade | 30 | --- |
| Viscosity @210° F, cs | 11.0 | ASTM D-455 |
| @110° F, cs | 74 | ASTM D-455 |
| Viscosity @210° F | 63 | ASTM D-455 |
| @110° F | 345 | ASTM D-455 |
| Viscosity Index | 150 | ASTM D-2270 |
| Flash Point, ° F | >550 | ASTM D-92 |
| ° C | >290 | ASTM D-92 |

| | | |
|---|-------|--------------|
| Fire Point, ° F | 620 | ASTM D-92 |
| ° C | 327 | ASTM D-92 |
| Pour Point, ° F | -45 | ASTM D-97 |
| ° C | -43 | ASTM D-97 |
| Ash, wt. % | <0.01 | ASTM D-482 |
| Evaporation Loss, wt. % (6-1/2 hours @ 400° F) | 1.2 | ASTM D-972 |
| Evaporation Loss, wt. % (20 hours @ 450° F) | 10.0 | ASTM D-972 |
| Four Ball Wear Scar, mm (1 hour, 1200 rpm, 40 kg, 167° F) | 0.38 | ASTM D-2266 |
| Rust Test | | |
| Distilled Water, 48 hours | Pass | ASTM D-665-A |
| Sea Water, 48 hours | Pass | ASTM D-665-B |
| Density at 60° F, lbs./gal. | 8.23 | ASTM D-1298 |

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