



Ester Base Oil for High Temperature Chain Oil Aromatic GTM68, GTM150, GTM320 POE G28150, G28220, G28320, G28800

Description

Keeping your industrial machinery running smoothly often hinges on proper chain lubrication, especially in high-temperature environments. Goncord addresses this challenge with two specialized lines of ester-based chain oils: the Aromatic Series and the POE Series.

Features

Goncord High-Temperature Chain Oils offer a powerful combination of features that optimize chain performance under demanding conditions:

- **Reduced Consumption and Maintenance:** The low evaporation rate minimizes oil top-ups, while sediment control prevents build-up that necessitates frequent cleaning.
- **Energy Savings:** Superior friction reduction translates to lower energy consumption for your machinery.
- **Enhanced Fire Safety:** The high flash point provides an extra layer of safety in high-temperature settings.

While both series excel in high-temperature environments, they cater to slightly different needs:

- **Aromatic Series:** Formulated with aromatic esters, this series prioritizes exceptional thermal and oxidation stability, making it ideal for extreme temperature applications.
- **POE Series:** Utilizing polyol esters, this series offers a balance of good lubricity and biodegradability, often preferred for environmentally sensitive areas or when biodegradability is a concern.

Applications

Goncord high-temperature chain oils are ideal for a wide range of industrial applications involving hot chains, including:

- Oven chains in food processing and baking industries
- Conveyor chains in high-temperature environments
- Chains in furnaces and thermal equipment

Choosing the appropriate Goncord high-temperature chain oil ensures optimal chain performance, minimize maintenance downtime, and promote energy efficiency in operations.

The recommended formula for the High Temperature Chain Oil:

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|--------------------------|---------------------|
| • Polyol Ester: 50% | • Irganox L06: 0.6% |
| • Aromatic Ester: 48.49% | • Nasul 707: 0.4% |
| • Polyisobutylene: 0.5% | • Vanlube SS: 0.4% |
| • Irgalube 349: 0.5% | |

Typical Properties

Aromatic Series Base Oil

Property	GTM68	GTM150	GTM320
Visc. @40°C, mm ² /s	71	143	302.8
Visc. @100°C, mm ² /s	9.6	13.1	20.17
Viscosity Index	116	83	74
Flash point, °C	265	265	265
Pour point, °C	-45	-33	-24
Acid value, mgKOH/g	0.04	0.063	0.05
Density @20°C, kg/m ³	0.975	0.976	0.958

POE Series Base Oil

Property	G28150	G28220	G28320	G28800
Visc. @40°C, mm ² /s	165.0	237.1	311.5	827.9
Visc. @100°C, mm ² /s	17.94	19.09	26.48	44.12
Viscosity Index	120	91	112	95
Flash point, °C	318	310	308	304
Pour point, °C	-42	-39	-27	-15
Density @20°C, kg/m ³	0.97	0.967	0.975	0.988
NOACK Volatility @ 250°C/1hr, %W/W	0.77	0.64	0.45	0.66