

OPTI-LUBE 220

HIGH TEMPERATURE PERFORMANCE SYNTHETIC OVEN CHAIN LUBRICANT

OPTI-LUBE 220 is a High-Temp Performance Synthetic Oven Chain Lubricant designed for conveyor roller ball bearing chains, pin/roller chains, tortilla chains, slides and gears that operate in very high temperature oven environments. OPTI-LUBE 220 is formulated from premium state of the art synthetic polyol ester (POE) base oils and proprietary additives. NSF H-2 approved; can be used in food plants for non-food contact. Contains no carcinogens and is environmentally friendly.

OPTI-LUBE 220 PROVEN PERFORMANCE

- Very Low Evaporation Rates – Longer Lubrication Life & Stays Liquid
- Extremely Clean Lubricant – Chain will Stay Clean & Show Minimal Deposits
- Very High Flashpoint – Will not smoke and lubricates very well if the hot chain does not have time to cool down during the exit/entrance of an oven.
- Exceptional anti-wear and bearing protection – Low Friction and Wear
- Reduces Maintenance
- Keeps Amperage Low and Stable

APPLICATIONS:

Bakery Oven Chains
 Roller Ball Bearing Chains on Oven Conveyors
 Pin/Roller Chains on Tunnel & Tray Ovens
 Tenter Frame Oven Chains
 Paint Oven Chains
 Wood Laminating Oven Chains
 Fiberglass Production
 Cement Plants
 Kiln Car Wheel Bearings & Support Rollers
 Beverage Can Lines
 Lithographic Chains
 Drying Ovens

PHYSICAL PROPERTIES:

Property	Test Method	Typical Specification
ISO GRADE	ASTM D 445	220
Specific Gravity, 15.6°C	ASTM D 1298	0.98
Viscosity, cSt @ 40°C (104°F)	ASTM D 445	220
Viscosity, cSt @ 100°C (212°F)	ASTM D 445	20.6
Viscosity Index	ASTM D 2270	112

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Member of the American Baking Society

Fire Point, °C (°F)	ASTM D 92	350°C (662°F)
Flash Point, °C (°F)	ASTM D 92	320°C (608°F)
Pour Point, °C (°F)	ASTM D 97	-30°C (-20°F)
Acid No., mg KOH/g	ASTM D3242	0.2
4-Ball Wear Test, 40 Kg, 1200 RPM, @ 167°F, 1 hr. Average wear scar diameter, mm	ASTM D 4172	0.4
4-Ball Wear Test, 40 Kg, 1200 RPM, @ 400°F, 1 hr. Average wear scar diameter, mm	SPECIAL TEST	0.55
Rust Test, 48 Hrs. Distilled Water	ASTM D 665A	Pass
Rust Test, 48 Hrs. Sea Water	ASTM D 665B	Pass
Evaporation Loss, 8.0 HRS. @ 204°C (400°F), %	ASTM D-972	0.79
Evaporation Loss, 168 HRS @ 204°C (400°F), %	ASTM D-972	5.05
Appearance	QL 4099	Light Amber Liquid

STORAGE & HANDLING PRACTICES:

Warehouse in unopened containers at ambient conditions. Under these conditions, storage life is practically indefinite. For information on the safe handling and use of this product, refer to the Material Safety Data Sheet. For more information and availability, call (630) 513-6350.

