

HIGH TEMPERATURE SYNTHETIC CONVEYOR CHAIN LUBRICANT

PRODUCT DESCRIPTION:

Chain Guard 220® is the ultimate performing & best valued synthetic lubricant formulated for conveyor roller ball bearing chains, pin and roller chains, slides and gears that operate in extreme high temperature oven environments. It is fully formulated with esters and has an ISO grade of 220. Chain Guard 220® is a lubricating product with a high flash point, excellent wear protection, and NSF H2 approved - can be used in food plants for non-food contact. Contains no carcinogens and is environmentally friendly.

CHARACTERISTICS:

- **Exceptional Wear Protection** – Very high lubricity ratings to protect against wear, friction, rust and corrosion; thus, extending bearing, chain and equipment life.
- **Reduced Carbonization & Oxidation** – A clean, ash less fluid-film that decreases energy consumption by maintaining optimal amperage, eliminating chain stretching and chain dragging.
- **Lower Evaporation & Volatility** – Very stable in high temperatures, provides longer lubrication intervals, saves money on lubricant consumption, has less smoke and no objectionable odours.
- **High Flash Point** – Apply to either a hot or cold chain while in production, hence reducing maintenance cost and increasing productivity.

SPECIFICATIONS & TYPICAL PROPERTIES:

Properties	Test Method	Specifications
ISO Grade	D445	220
Specific Gravity @ 15.6°C	ASTM D1298	0.95
Viscosity @ 40°C (104°F)	ASTM D445	220 cSt
Viscosity @ 100°C (212°F)	ASTM D445	18.7 cSt
Viscosity Index	ASTM D2270	95
Fire Point	ASTM D92	330°C (626°F)
Flash Point	ASTM D92	326°C (619°F)
Pour Point	ASTM D97	-33°C (-27°F)
Acid Number	ASTM D3242	0.2 mg KOH/g
Four Ball Wear, 40 Kg., 1200 rpm, 75°C, 1 hr., Scar Diameter	ASTM D 4172	0.40 mm
Four Ball Wear, 40 Kg., 1200 rpm, 204°C, 1 hr., Scar Diameter	-	0.50 mm
Evaporation Loss, 6.5 hrs @ 204°C	ASTM D972	0.95%
Falex Tooth Wear, 700 lb gage load, 15 min	ASTM 2670	0 Teeth Lost
Rust Test, 48 Hrs. Distilled Water/Sea Water	ASTM D665A/B	Pass/Pass
Typical RBOT @ 150°C, Oxidation Lifetime	ASTM D2272	1250
Appearance	-	Light Amber Liquid

APPLICATIONS:

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



Nonfood Compounds
Program Listed H2
(Registration # 139559)