

636 FG



SLF-220

Description

Chesterton® 636 FG SLF-220 is a premium quality full synthetic H1 food grade lubricant designed to provide lubrication at temperatures ranging from -25°C (-13°F) to those over 260°C (500°F) where petroleum lubricants are unable to function.

Unlike petroleum based lubricants, the product will not carbonize, oxidize to a sludge or form lacquers and varnishes at high temperatures. In fact, 636 FG SLF-220 has excellent solvency and will actually remove many of these byproducts caused by other petroleum base lubricants and allow equipment to run cooler and more efficiently. When operating at temperatures beyond its capability, the product will simply evaporate cleanly.

Chesterton 636 FG SLF-220 is excellent for lubrication of equipment operating at elevated temperatures such as oven chains, motors, anti-friction bearings, paint curing and drying ovens, low loading gear boxes, ceramic ovens, oven door hinges and for low temperature applications to -25°C (-15°F) in refrigerated or winter conditions.

Composition

Chesterton 636 FG SLF-220 begins with a polyolester base. This provides much greater stability and far less volatility than the diester base commonly used in most other industrial synthetic lubricants.

A proprietary additive package is added to the product to enhance its performance and give properties that far exceed those of most petroleum based products. Extreme pressure additives give superior wear characteristics and minimize equipment maintenance and downtime. Rust and oxidation inhibitors give added protection against corrosion. Lubricity additives provide for maximum lubrication and minimum friction.

Typical Physical Properties

Appearance	Amber Liquid
Odor	Low
ISO VG (ASTM D 2422, DIN 51 519)	220
Specific Gravity	0.97
Viscosity (ASTM D 445, DIN 51 561) @ 40°C (104°F) cSt (mm ² /s) @ 100°C (212°F) cSt (mm ² /s)	220 19
Viscosity Index (ASTM D 2270, ISO 2909)	95
Temperature Range	-25°C to 260°C (-13°F to 500°F)
Pour Point (ASTM D 97, ISO 3016)	-25°C (-13°F)
Flash Point, C.O.C. (ASTM D 92, ISO 2592)	315°C (599°F)
Fire Point (ASTM D 92, ISO 2592)	350°C (662°F)
Evaporation Loss, Open Dish 6 1/2 Hours @ 204°C (400°F)	0.86%
Four Ball Wear, Scar Diameter 100°C, 1200 RPM 1 hr (ASTM D 4172) 40 kg	0.64 mm

Because Chesterton 636 FG SLF-220 has a high flash point and low evaporation rate, it does not have the characteristic smoke and fire hazards associated with petroleum base lubricants when used in hot applications. The safety level for the user is thus very high.

The components of 636 FG SLF-220 are considered more readily biodegradable than petroleum based products and should not be detrimental to the environment.

Features

- Wide temperature range
- Self cleaning
- 100% synthetic
- No residue
- Non-carbonizing
- Non-oxidizing
- NSF H1 - Registration number 147202
- Low evaporation rate
- High flash point
- Biodegradable
- H1 Food Grade
- Meets FDA CFR 178.3570

Applications

Equipment operating in elevated temperatures, refrigerated areas, and in severe environments. Excellent for increasing the efficiency of anti-friction bearings, impregnated bearings, textile tenter frames, low loading gear boxes, oven hinges and chain conveyors. Lubricates at sub-zero temperatures where greases congeal.

- carpets of calibrated rollers
- roller bar chains
- contact pressure and aligning chains
- beds of roller chains
- oven chains
- food processing

Directions

Automatic or manual lubrication as appropriate. Reapply as needed.

Safety

Before using this product, please refer to the Safety Data Sheet (SDS) or appropriate safety sheet for your area.

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