

High Temperature Oil: **SMT-773**

Product Description:

SMT-773 is a PAO and ester synthetic oil formulation for use in high temperature applications involving chains, slides and bearings operating up to 500°F (260°C) and intermittently up to 600°F (315°C). It is a clear-amber ashless fluid which will not carbonize or produce hard varnish residue.

SMT-773 cleans as it lubricates, gradually dissolving pre-existing residues. It is used in electronics processing and manufacturing where it exhibits low volatility and evaporation rates while uniformly coating metal surfaces for a long-lasting smooth surface finish that reduces consumption and extends re-lubrication intervals.

SMT-773 will assure maximum anti-wear protection and has excellent anti-corrosion and rust protection against water, chemical, lint and dirt contamination environments. It features a cohesive, non-drip additive treatment to resist fling-off onto processing or product materials.

Typical applications include a wide variety of extreme temperature applications, including chains and sprockets, bearings, conveyors, ovens, slide ways and pulleys found in the textile, electronics, chemical, pharmaceutical, ceramic, plastics, pulp and paper industries.

Features and Benefits:

- Extreme high temperature protection
- Extended lube intervals
- Does not contain any silicones
- Ash less and residue-free protection
- Prolongs equipment life
- Excellent corrosion and rust protection



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Typical Operating Properties:

PROPERTY	SMT-773	TEST
ISO Grade	150	--
Colour	Amber	--
Viscosity, cSt@40°C	164.5 cSt	ASTM D445
Viscosity, cSt@100°C	16.9 cSt	ASTM D445
Viscosity Index	147	ASTM D2270
Flash Point	265°C / 510°F	ASTM D92
Pour Point	-30°C / -22°F	ASTM D97
4-Ball Wear Test	0.45 mm	ASTM D2266
4-Ball EP Wear	250 kg	ASTM D2783
Solid Content	None	--
Operating Temperature Range	Up to 260°C / 500°F	--

***Please note:** The information, data and tables contained in this website have been carefully edited at the time of publication. However, no responsibility for possible errors or omissions can be assumed. We recommend contacting our Application Support Staff to discuss your specific requirements. We are constantly updating our products therefore technical data and specifications may change at any time without notice. 08/2017

Method of Application:

No special handling precautions are required. Follow regular lubrication instructions as provided with original equipment. It is recommended to thoroughly drain and clean systems prior to switching over. The SMT-773 oil may not be fully compatible with other high temperature oils and are not recommended for certain types of seals, paints and plastics.