Product Data

Tribol PM S Range

Synthetic high-temperature circulation oils

Description

The Tribol ™ PM S Range are synthetic high-temperature oils with an extremely low evaporation rate. They are specially designed for application in circulation lubricating systems. Due to their multi-grade characteristics Tribol PM oils guarantee trouble-free start-up of machines at low temperatures and reliable lubrication in the high-temperature range

Application

For use in circular systems operating at temperatures up to +140°C / 284°F - lubrication of sliding and rolling bearings, gears and other machine elements in large-scale equipment such as:

- Paper machines
- Calenders in the paper, textile and plastics industries
- Stirrers
- Rubber kneaders Rolling mills

Advantages

- Extremely thermally stable.
- Optimum wear protection.
- Utmost load carrying capacity.
- Excellent viscosity/temperature behavior.
- Extended service life.
- Leaves no hard or carbon residues.
- Excellent aging stability, good corrosion protection.
- Oxidation stability.
- Good water separation

Typical Characteristics

Name	Test Method	Units	PM 220 2	PM 320 S	PM 680 S
Colour	ASTM D1500	-	Yellow	Yellow	Yellow
Base oil	-	-	Synthetic oil	Synthetic oil	Synthetic oil
ISO Viscosity Grade	-	-	220	320	680
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m³	915	914	924
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm²/s	219	319	700
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm²/s	27.4	36.3	65.2
Viscosity Index	ASTM D2270 / ISO 2909	-	160	162	165
Pour Point	ASTM D97 / ISO 3016	°C/°F	-39/-38	-30/-22	-12/10
Copper corrosion (3 hrs@100°C/212°F)	ASTM D130 / ISO 2160	Rating	Pass	Pass	Pass
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	248/478	250/482	258/496

Subject to usual manufacturing tolerances.

Additional Information

- Compatible and miscible with mineral oils. Maximum performance, however, can be assured only if the product is not mixed with other lubricants.
- Compatible with all conventional sealing materials.

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