



Optisynt HT 320

Synthetic high-temperature oil for circular lubrication

Description

OPTISYNT™ HT 320 is a synthetic high-temperature oil with an extremely low evaporation rate. It was especially designed for the application in circulation lubricating systems. Due to its multi-grade characteristics OPTISYNT HT 320 guarantees trouble-free start-up of machines at low temperatures and a reliable lubrication in the high-temperature range.

Application

• For circular lubrication at permanent temperatures up to + 140°C of sliding and rolling bearings, gears and other machine elements in appropriately designed and sometimes heated large-scale plants such as:

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

• Temperature application range: up to + 200°C

Advantages

- OPTITEC® - OPTIMOL technology.
- 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, can be centrifuged like mineral oil.

Typical Characteristics

Name	Method	Units	Value
Colour	Visual	-	Yellow
Base	-	-	Synthetic Oil
ISO Viscosity Grade	DIN 51519	-	320
Density @ 15°C	DIN 51757	kg/m ³	914
Kinematic Viscosity @ 40°C	DIN 51562	mm ² /s	318.6
Kinematic Viscosity @ 100°C	DIN 51562	mm ² /s	36.28
Viscosity Index	DIN ISO 2909	-	162
Pour Point	DIN ISO 3016	°C	-30
Flash Point	DIN ISO 2592	°C	258
Copper Corrosion Protection @ 100°C/3hr	ASTM D-130	-	No change

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.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition.

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