

Castrol Alphasyn T 10

Synthetic gear oil

Description

Castrol Alphasyn T 10 synthetic lubricant is based on polyalpha-olefin (PAO) fluids and sulphur/phosphorus antiwear additive technology providing outstanding thermal stability and good load carrying capacity.

Application

Alphasyn T 10 has been formulated for use in spindle and central lubrication systems with high thermal loads. It has a very low pour point and excellent viscosity/temperature characteristics.

The outstanding oxidation and thermal stability of Alphasyn T 10 allows oil change intervals to be extended in circumstances where extreme temperatures result would result in a short service if conventional mineral oil based lubricants were used. This allows cost savings to be made by reducing the level of maintenance required.

Alphasyn T 10 is fully compatible with nitrile, silicone and fluopolymer seal materials.

Advantages

- Good thermal and oxidative stability provides reliable operation and extended operating life when compared to mineral oil based products.
- Inherently high viscosity index makes the product suitable for operations operating over a wide temperature range.
- Good water separation and demulsification characteristics means reduced down time through prolonged lubricant life and increased equipment reliability.
- PAO based lubricant provides good compatibility with seals, paints and mineral oil based lubricants.

Typical Characteristics

Test	Method	Units	Alphasyn T 10
Density @ 15°C	ISO 12185 / ASTM D4052	g/ml	0.83
K.V. @ 40°C	ISO 3104 / ASTM D445	mm ² /s	10
K.V. @ 100°C	ISO 3104 / ASTM D445	mm ² /s	2.75
Viscosity Index	ISO 2909 / ASTM 2270	-	120
Pour Point	ISO 3016 / ASTM D97	°C	-57
Flash Point, PMC	ISO 2719 / ASTM D93	°C	170
Foam Seq I	ISO 6247 / ASTM D892	mls/mls	10/0
Rust Test (24 hrs synthetic sea water)	ISO / 7210 / ASTM D685B	-	Pass

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 the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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