



Product Data

Alphasyn K 15

Synthetic Lubricant

Description

Castrol Alphasyn™ K 15 is a synthetic, polyalphaolefin based (PAO) circulation, gear (CLP) and hydraulic oil (HLP). For spindle, central, gear and hydraulic lubrication at high thermal loads.

Application

Alphasyn K 15 is designed for spindle, central, gear and hydraulic lubrication at high thermal loads. It meets the requirements of DIN 51517 part 3 CLP, ISO 6743/6-L-C, DIN 51524 part 2 HLP and ISO 6743/4-L-HM. It also has high wear protection at mixed friction (Brugger > 61 N/mm², FZG 16.6/90 SKS > 12).

Advantages

- High load carrying
- Very good viscosity temperature characteristics (high viscosity index) and good performance in cold conditions
- Low evaporation loss
- High thermal and oxidation stability
- Very good water and air release
- Mixable with mineral oil
- Good corrosion protection and neutral to conventional elastomers

Typical Characteristics

Name	Method	Units	K 15
Appearance	Visual	-	Yellow and Clear
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	835
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D 445	mm ² /s	15
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D 445	mm ² /s	3.7
Viscosity Index	ISO 2909 / ASTM D2270	-	128
Pour Point	ISO 3016 / ASTM D97	°C/°F	-40/-40
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	177
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	min	1
Brugger Wear test	DIN 51347	N/mm ²	61
FZG Gear Scuffing test - A/16.6/90	ISO 14635-1 (modified)	Failure Load Stage	>12

Subject to typical manufacturing tolerances.

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13 Feb 2012

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