



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.

Alphasyn K 15

13 Feb 2012

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

www.castrol.com/industrial