Product Data

Viscogen KLK Range

High Temperature Chain lubricant

Description

Castrol Viscogen™ KLK 25 and 28 are fully synthetic oils designed for the lubrication of chains operating at high temperatures up to 250°C/482°F with total loss lubrication systems. They are especially useful in applications requiring exceptional wear protection under extreme loading. Viscogen KLK 25 and 28 form a transparent lubricating film of neutral odour with exceptional adherence to metal surfaces preventing throw off or dripping and low surface tension allowing the lubricant to penetrate into tight clearances.

Application

Viscogen KLK 25 is used for chain systems in the particle board industry, film stretching in the plastic industry, overhead conveyor systems and skid conveyors of paint ovens in the automotive or machine building industry.

Viscogen KLK 28 was specifically engineered for use on chain systems in the particle board industry, including MDF (Medium Density Fibreboard) and OSB (Oriented Strand Board) plants.
It can be used in continuous Metso (Küsters) presses and central lubrication systems of Siempelkamp and Dieffenbacher presses. It can be applied manually or by drip, spray or central lubrication systems.

Advantages

- Optimum protection against friction and wear at high temperatures – leading to longer chain life.
- Low coefficient of friction – promotes lower energy consumption.
- High temperature stability – giving reduced lubricant consumption.
- No dripping or fling-off at high speeds or high temperatures - reduces wastage.
- Extraordinary oxidation resistance and no hard carbon build up – reduces residue accumulation and maintenance.

Typical Characteristics

Name	Method	Units	25	28
Appearance	Visual	-	Orange / Yellow liquid	Red Liquid
Base oil	-	-	Synthetic	Synthetic
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m³	916	915
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm²/s	255	280
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm²/s	30.8	32.7
Viscosity Index	ISO 2909 / ASTM D2270	-	162	160
Fire Point	ISO 2592 / ASTM D92	°C/°F	282 / 540	288 / 550
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>260 / >500	>260 / >500
Pour Point	ISO 3016 / ASTM D97	°C/°F	-33 / -27	-33 / -27
Four Ball Wear test - Wear Scar Diameter (300N / 1 hr)	DIN 51350-3b	mm	0.33	0.31
SRV Wear test	ASTM D6425 / DIN 51834	wear scar diameter (mm)	0.55	0.52

Subject to the usual manufacturing tolerances.

Additional Information

This product is compatible and fully miscible with mineral oils. However, maximum performance is only guaranteed if not mixed with any other product. Not miscible with synthetic oils based on glycol.

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