

## Viscogen KLK 25

High temperature chain lubricant

### Description

Castrol Viscogen™ KLK 25 is a fully synthetic oil designed for chains operating at high temperatures up to 250°C with total loss lubrication systems. They are especially useful in applications requiring exceptional wear protection under extreme loading. Viscogen KLK 25 forms 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 the paint ovens in the automotive or machine building industry. It can be used in continuous Metso (Küstners) 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 – which can lead to low energy consumption
- High temperature stability – giving reduced lubricant consumption
- No dripping or fling-off at high speeds or high temperatures
- Extraordinary oxidation resistance and no hard carbon build up – enabling reduced residue accumulation and maintenance

## Typical Characteristics

Name	Method	Units	
Appearance	-	-	Orange/Yellow Liquid
Base Oil Type	-	-	Synthetic
Density @ 15°C	ISO 12185 ASTM D4052	g/ml	0.916
K.V. @40°C	ISO 3104 ASTM D445	mm <sup>2</sup> /s	255
K.V. @100°C	ISO 3104 ASTM D445	mm <sup>2</sup> /s	30.8
Viscosity Index	ISO 2909 ASTM D2270	-	160
Fire Point, COC	ISO 2592 ASTM D92	°C	282
Flash Point, COC	ISO 2592 ASTM D92	°C	>260
Pour Point	ISO 3016 ASTM D97	°C	-33
Four Ball Wear Test (1 hr, 300 N, 1420 rpm) Scar Diameter	DIN 51350	mm	0.33
SRV, 200 N load, 50 htz, 1mm stroke, 230 °C, 2hr Wear depth profile Ball scar diameter	ASTM D6425 (modified 7-230)	Microns / mm	2 / 0.55

Subject to usual manufacturing tolerances.

## Additional Information

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.

## 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.

Viscogen KLLK 25  
28 Sep 2012  
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