



## Viscogen KL Spray Range

Synthetic high temperature chain lubricant

### Description

Castrol Viscogen KL™ Spray range are aerosol/spray versions of Viscogen KL 3, 23, 300.

In neat state Viscogen KL are thermally stable synthetic lubricants designed for high temperature lubrication in severe environments, where the use of mineral oils or conventional synthetic oils would result in excessive wear, carbonisation and residue formation. They can be used up to temperatures of +200°C/+390°F, depending on the viscosity.

Viscogen KL Sprays have been developed from base fluids which form exceptionally adherent, transparent and odourless lubricating films and an additive system free of solids, metals or silicone which enhances load carrying capability and wear protection.

### Application

Viscogen KL Spray is available in 3 different versions for use depending on the ambient and operating conditions. Spray versions are particularly suited to lubricate difficult to reach lubrication points.

The dimensions of the chain as well as its structural shape (e.g. roller, pin, ladder chains, insertion and flat link hoisting chains) are important when selecting the right viscosity.

Viscogen KL Sprays find use in many industrial applications, for example: High-rack storage shelves, bakery machines, paint lines, conveyor chains, tenter frames and dryers, washing plants, underfloor chains, steamers, slashers, baking ovens, slide ways, spindles, ropes, open gear wheels, plastic toothed belts and sheet-fed offset machines.

Viscogen KL 23 is especially suitable for use in BOPP (Biaxially oriented Polypropylene) film stretching machines.

### Advantages

- Particularly suited to lubricate difficult to reach lubrication points.
- Easy and economical use with adjustable spray head. Spraying foam remains until oil has penetrated into the friction point.

In neat form (without propellant):-

- Extremely low evaporation rate, low residue formation and low smoke generation at high temperatures – enabling reduced maintenance, reduced lubricant consumption and better working environments.
- Outstanding load carrying ability under severe mechanical loads and high temperatures as well as excellent penetration on chains and wire rope strands – leading to longer chain life.
- No dripping or throwing off at high speeds or high temperatures – giving reduced lubricant consumption.
- Excellent rust protection, extraordinary oxidation resistance and no hard carbon build up - leading to longer chain life and reduced maintenance.

## Typical Characteristics

Name	Method	Units	3	23	300
Colour	Visual	-	Green	Green	Green
Base oil	-	-	Synthetic oil	Synthetic oil	Synthetic oil
ISO Viscosity Grade	-	-	32	-	-
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	948	954	925
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	31.5	249	4030
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	6	23	210
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	230 / 450	250 / 480	220 / 430
Pour Point	ISO 3016 / ASTM D97	°C/°F	-60 / -76	-39 / -38	-12 / 1
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1	1	1
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	Rating	Pass	Pass	Pass
Four Ball Wear test - Wear Scar Diameter (300N / 1 hr)	DIN 51350-3B	mm	0.6	0.4	0.4

Subject to usual manufacturing tolerances.

Properties shown are for neat lubricant without Propane/Butane propellant.

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

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