

Castrol Optifluid KTL

Fully synthetic, water-emulsifiable chain lubricants for cathodic paint lines

Description

OPTIFLUID™ KTL are thermally stable synthetic lubricants with an extremely high load carrying capacity. Additives free from solids and silicone form an adhesive, anti-wear lubricating film.

OPTIFLUID™ KTL disperse evenly in water or water-soluble paints. Unlike conventional lubricants OPTIFLUID™ KTL do not affect painted surfaces (no formation of craters, surface waviness, staining or rough surfaces).

Application

- As chain lubricant for insertion chains in overhead and floor conveyors of cathodic paint lines
- For chains and guide ways of conveyor systems

Advantages

- OPTITEC™ - CASTROL OPTIMOL technology
- extremely good penetration, adhesion and load carrying capacity
- no odor, non-toxic
- silicone-free
- water-soluble
- compatible with cathodic paint lines
- evenly disperses in water or water-soluble paints
- does not affect painted surfaces
- no craters, surface waviness, staining or rough surfaces
- evaporates at high temperatures with hardly any residue formation
- thermally stable up to + 200°C/+ 392°F

Typical Characteristics

| Test | Method | Unit | Value | |
|--|--------------|-------------------|-----------------------|--------------|
| CASTROL OPTIFLUID™ KTL | - | - | 100 | 220 |
| Colour | visual | - | yellowish transparent | |
| Base | - | - | synthetic oil | |
| Density at + 15°C/+ 59°F | DIN 51757 | kg/m ³ | 1052 | 1054 |
| Kin. viscosity at + 40°C/+ 104°F at + 100°C/+ 212°F mm ² /s | DIN 51562 | | 114.9 21.1 | 221 39.6 |
| Viscosity index | DIN ISO 2909 | - | 210 | 232 |
| Pour point °C °F | DIN ISO 3016 | | -36 -32.8 | -30 -22 |
| Flash point °C °F | DIN ISO 2592 | | > 245 > 473 | 268 514.4 |

1 mm²/s $\hat{=}$ 1 cSt

Additional Information

- Not miscible with chain oils based on mineral or ester oils.
- Easy and economic application via central lubrication system.
- Due to the different compositions of cathodic paint baths compatibility with the paint must be checked before application.
- In spray can: OPTIFLUID™ W SPRAY for the lubrication of sliding surfaces and ropes

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