



## Product Data

# Castrol Viscoleb

Fully synthetic chain lubricants, physiologically safe, NSF H1 authorized

## Description

VISCOLEB are chain lubricants especially developed to meet the requirements of the food and beverage industries. They are water-resistant and have a high load carrying capacity.

VISCOLEB are tasteless and odorless oils. Special additives specifically protect from wear and prevent corrosion.

VISCOLEB chain lubricants are NSF H1 authorized and therefore suited for applications where a direct exposure of the lubricated part to the edible product is possible due to technical reasons.

## Application

- For the special requirements in the food and beverage industries where there may be direct exposure of the lubricated part to the edible product or its packaging
- For chains of production, filling and packaging machines
- For slideways, central lubrication systems, spraying systems (product consolidation)
- CASTROL VISCOLEB 32 especially for chains in the low-temperature range e.g. in frosters
- Temperature application ranges:

VISCOLEB 32: - 60°C/- 76°F to + 150°C/+ 302°F

VISCOLEB 150: - 30°C/- 22°F to + 200°C/+ 392°F

VISCOLEB 280: - 30°C/- 22°F to + 200°C/+ 392°F

VISCOLEB 1500: - 20°C/- 4°F to + 200°C/+ 392°F

## Advantages

- OPTITEC™ - CASTROL OPTIMOL technology
- physiologically safe
- NSF H1 authorized
- tasteless and odorless
- transparent
- resistant to water
- compatible with mineral oil, therefore no prior cleaning of the chains when converting to VISCOLEB
- good penetration
- excellent adherence
- optimum corrosion and wear protection

## Typical Characteristics

Test	Method	Unit	Value			
			32	150	280	1500
CASTROL VISCOLEB	-	-	32	150	280	1500
Colour	visual	-	transparent			
Base		-	polyalphaolefin			
ISO viscosity group	DIN 51519	-	32	150	-	1500
Density + 15°C/+ 59°F	DIN 51757	kg/m <sup>3</sup>	830	850	850	870
Kin. viscosity at + 40°C/+ 104°F at + 100°C/+ 212°F	DIN 51562	mm <sup>2</sup> /s	31	144	286.3	1443
			5.8	18.6	30.6	103.0
Viscosity index	DIN ISO 2909	-	128	145	145	158
Pour point	DIN ISO 3016	°C	< - 60	-42	-36	-24
		°F	< - 76	-43.6	-32.8	-11.2
Flash point	DIN ISO 2592	°C	220	236	232	224
		°F	428	456.8	449.6	435.2
Copper corrosion protection	ASTM D-130	-	1a	1a	1a	1a
Steel corrosion protection	DIN 51355	-	0	0	0	0

1 mm<sup>2</sup>/s  $\hat{=}$  1cSt

Subject to usual manufacturing tolerances

## Additional Information

- VISCOLEB oils are compatible with mineral oil, therefore prior cleaning of the chains is not necessary during conversion.
- However, cleaning of heavily contaminated chains is advisable in order to ensure easy penetration of VISCOLEB.
- For application in central lubrication and spraying systems please observe the specified viscosity.
- In spray cans: VISCOLEB 32 SPRAY, VISCOLEB 280 SPRAY, VISCOLEB 1500 SPRAY.

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