

## Castrol Optileb V Range

Physiologically safe, fully synthetic compressor oils

### Description

CASTROL OPTILEB® V are fully synthetic compressor oils based on polyalphaolefin of the ISO viscosity grades 32, 46, 68 and 100 for applications in compressors in the food and beverage industries as well as in the pharmaceutical industries.

CASTROL OPTILEB® V only contain raw materials which are listed in the Guideline of Security 21 CFR 178.3570 of the FDA and which are in conformity with NSF H1.

### Application

- Screw-type compressors
- Piston compressors
- Sliding vane compressors
- Air compressors

### Conditions of Use

- Please observe the viscosity specified by the manufacturer.
- CASTROL OPTILEB® V are compatible with all conventional plastics and sealing materials which are resistant to low-viscous mineral oils.
- When changing from mineral oil to CASTROL OPTILEB® V please clean system and monitor filter.

### Advantages

- OPTITEC® - OPTIMOL technology
- physiologically safe
- clean and safe operation of compressors
- odorless, tasteless and colorless
- compatible with sealing materials resistant to mineral oil
- high viscosity index, low viscosity-temperature dependence
- high oxidation stability
- minimum residue formation
- excellent water separation ability
- good wear protection
- compatible with mineral oil
- extended service life in comparison with mineral oil

## Typical Characteristics

	Test method	Unit	Value			
<b>CASTROL OPTILEB® V</b>	-	-	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
Article no.	-	-	5250	5251	5252	5253
Color	visual	-	colorless			
Base	-	-	PAO			
ISO viscosity grade	DIN 51519	-	32	46	68	100
Density at + 15°C/+ 59°F	DIN 51757	kg/m <sup>3</sup>	829	834	837	845
Kin. viscosity at + 40°C/+104°F + 100°C/+212°F	DIN 51562	mm <sup>2</sup> /s	30.23	46.81	66.23	95.45
			5.81	7.8	10.26	13.62
Viscosity index	DIN ISO 2909	-	138	136	141	144
Pour point	DIN ISO 3016	°C	< - 50	-48	-45	-45
		°F	< - 58	-54.4	-49	-49
Flash point	DIN ISO 2592	°C	220	242	242	242
		°F	428	467.6	467.6	467.6
Carbon residue after aging	DIN 51352	%	0.11	0.13	0.13	0.13
Demulsion characteristics (54°C/129.2°F) (82°C/179.6°F) *	DIN 51599	min.	6	6.5	11	3.5 *

1 mm<sup>2</sup>/s ^ 1 cSt

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