



Product Data

Optileb V Range

Physiologically safe, fully synthetic compressor oils

Description

Castrol Optileb™ V are fully synthetic compressor oils based on polyalphaolefin basestocks of ISO viscosity grades 46 and 100 for the lubrication of compressors in the food and beverage and pharmaceutical industries. They are formulated only with raw materials which are in conformity with NSF H1 requirements for incidental contact with foodstuffs.

Application

Optileb V Range of synthetic compressor oils for food applications, where H1 approval for incidental food contact is required and Kosher and Halal approval. Also periodically checked for any potential allergen substances.

- Screw-type, reciprocating and sliding vane air compressors

Optileb V, certifications and specifications:-

- NSF - H1 approved for incidental food contact
- Halal Approved
- Kosher Approved
- Certified to ISO 21469

Conditions of Use

- Please observe the viscosity guidelines specified by the manufacturer.
- CASTROL OPTILEB V series are compatible with conventional plastics and sealing materials which resistant to low-viscous mineral oils.
- During changeover from a standard mineral oil-based product to CASTROL OPTILEB V series please flush the system thoroughly and monitor the condition of filters.

Advantages

- NSF H1 approved
- Halal and Kosher approved.
- Odorless, tasteless and colorless
- Compatible with sealing materials resistant to mineral oils
- 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

Name	Method	Units	V 46	V 100
Colour	ASTM D1500	-	Colourless to Light Yellow	Colourless to Light Yellow
Base Oil	-	-	PAO	PAO
ISO Viscosity Grade	-	-	46	100
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m³	834	845
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm²/s	46.81	95.45
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm²/s	7.8	13.62
Viscosity Index	ISO 2909 / ASTM D2270	-	136	144
Pour Point	ISO 3016 / ASTM D97	°C/°F	-48/-54	-45/-49
Flash Point - open cup method	ASTM D2592 / ASTM D92	°C/°F	242/468	242/468
Carbon residue - Conradson test - after air ageing	DIN 51352-2	%wt	0.13	0.13
Water Separation @ 54°C / 129°F (40/37/3)	ISO 6614 / ASTM D1401	min	6.5	-
Water Separation @ 82°C / 180°F (40/37/3)	ISO 6614 / ASTM D1401	min	-	3.5

Subject to usual manufacturing tolerances.

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