Product Data Sheet

CASTROL OPTILEB® HY

Fully synthetic hydraulic oils, physiologically safe, USDA H1 registration

DESCRIPTION

CASTROL OPTILEB® HY are hydraulic oils, especially developed to meet the special requirements of the food and beverage industries. They are based on synthetic oils and contain carefully selected additives to prevent wear, oxidation and corrosion.
CASTROL OPTILEB® HY hydraulic oils comply with and even exceed DIN 51524 part 2 for HLP hydraulic oils.

APPLICATIONS

- For the special applications in the food and beverage industries where there may be exposure of the lubricated part to the edible product or its packaging
- For hydraulic systems in production, filling and packaging machines

ADVANTAGES

- OPTITEC® - OPTIMOL technology
- physiologically safe, USDA H1 registration
- tasteless and odorless
- no foam formation
- excellent viscosity/temperature behavior
- good water separation ability
- miscible with mineral oil
- disposal like mineral oil

NOTES FOR USE

- Please observe the viscosity specified by the manufacturer.
- Good compatibility with conventional sealing materials.
- When changing over from mineral oil to CASTROL OPTILEB® HY oil filters have to be monitored and - if necessary - exchanged or cleaned.

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CASTROL OPTILEB® HY

Technical data

	Unit	Value			Test method
CASTROL OPTILEB® HY	-	**32**	**46**	**68**	-
Article no.	-	05350	05351	05352	-
Color	-	transparent, clear			visual
Base	-	polyalphaolefin			-
ISO viscosity group	-	32	46	68	DIN 51519
Density at + 15°C/+ 159°F	kg/m³	829	834	836	DIN 51757
Kin. viscosity at + 40°C/ + 104°F at + 100°C/ + 212°F	mm²/s	30.5 5.81	43.6 7.43	65.6 10.28	DIN 51562
Viscosity index	-	136	136	143	DIN ISO 2909
Pour point	°C °F	< - 50 < - 58	- 48 - 54.4	- 45 - 49	DIN ISO 3016
Flash point	°C °F	219 426.2	242 467.6	242 467.6	DIN ISO 2592
Copper corrosion	-	1a	1a	1a	ASTM D-130
Steel corrosion	-	0	0	0	DIN 51585
FZG test (A/8.3/90) Failure load stage	-	> 12			DIN 51354
Vickers pump test	-	passed			DIN 51389

1 mm²/s ≙ 1cSt

These technical data are based on average test results. Minor deviations may occur from case to case.

For further product information please contact the Technical Service of Castrol Industrie GmbH.

Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.

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