



Product Data

Optileb HY Range

Food grade hydraulic oils

Description

Optileb HY™ are food grade hydraulic oils with NSF-H1 approval, especially developed to meet the special requirements of the food and beverage industries. Optileb HY hydraulic oils comply with and even exceed DIN 51524 part 2 for HLP hydraulic oils.

Application

Optileb HY Range of synthetic hydraulic 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.

- 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.

Optileb HY, certifications and specifications:-

- NSF - H1 approved for incidental food contact
- Halal Approved
- Kosher Approved
- Certified to ISO 21469
- DIN 51524-2 HLP

Advantages

- NSF H1 approved
- Halal and Kosher approved
- Tasteless and odourless
- Low foam formation
- Excellent viscosity/temperature behaviour
- Good water separation ability
- Miscible with mineral oil
- Disposal like mineral oil

Typical Characteristics

Name	Method	Units	HY 15	HY 32	HY 46	HY 68
Appearance	Visual	-	Transparent / Clear	Transparent / Clear	Transparent / Clear	Transparent / Clear
Density @ 15°C / 59°F	ISO 12185/ASTM D4052/DIN 51757	kg/m ³	819	830	830	840
Kinematic Viscosity @ 40°C / 104°F	ISO 3104/ASTM D445	mm ² /s	15	31	44	66
Kinematic Viscosity @ 100°C / 212°F	ISO 3104/ASTM D445	mm ² /s	3.6	5.8	7.4	10.3
Viscosity Index	ISO 2909/ASTM 2270/ DIN ISO 2909	-	125	136	136	143
Pour Point	SO 3016/ASTM D97 /DIN ISO 3016	°C/°F	< -50/< -58	< -50/< -58	-48/-54	-45/-49
Flash Point - open cup method	ISO 2592/ASTM D92 /DIN ISO 2592	°C/°F	>200 / >392	219/426	242/468	242/468
Rust test - synthetic seawater (24 hrs)	ISO 7210/ ASTM D665B	-	Pass	Pass	Pass	Pass
FZG Gear Scuffing test A/8.3/90	ISO 14635-1	Failure load stage	-	12	>12	>12

Subject to usual manufacturing tolerances.

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