



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

- 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

- NSF H1 approved
- Halal and Kosher approved (depending on viscosity)
- 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	840	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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