



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. They are based on synthetic oils and contain carefully selected additives to prevent wear, oxidation and corrosion.

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
- 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
ISO Viscosity Grade	-	-	15	32	46	68
Appearance	-	Visual	Transparent / Clear	Transparent / Clear	Transparent / Clear	Transparent / Clear
Density @ 15°C / 59°F Density @ 15°C / 59°F	kg/m ³	ISO 12185/ ASTM D4052/ DIN 51757	840	830	830	840
Kinematic Viscosity @ 40°C / 104°F	mm ² /s	ISO 3104/ ASTM D445/ DIN 51562	15	30.5	43.6	65.6
Kinematic Viscosity @ 100°C / 212°F	mm ² /s	ISO 3104/ ASTM D445/ DIN 51562	3.6	5.81	7.43	10.28
Viscosity Index	-	ISO 2909/ ASTM 2270/ DIN ISO 2909	125	136	136	143
Pour Point	°C/°F	ISO 3016/ ASTM D97/ DIN ISO 3016	< -50/< -58	< -50/< -58	-48/-54.4	-45/-49
Flash Point - open cup method	°C/°F	ISO 2592/ ASTM D92/ DIN ISO 2592	>200 / >392	219/426.2	242/467.6	242/467.6
Rust test - synthetic seawater (24 hrs)	-	ISO 7210/ ASTM D665B/ DIN 51585	Pass	Pass	Pass	Pass
FZG Gear Scuffing test - A/8.3/90	Failure load stage	ISO 14635-1 / DIN 51354	-	>12	>12	>12
Vickers Pump Test	-	DIN 51389	-	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

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