



Product Data

Optileb HY Range

Food grade hydraulic oils

Description

Optileb HY™ are food grade hydraulic oils with NSF-H1 approval, 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. All viscosity grades are certified to Halal and Kosher specifications.

Optileb HY hydraulic oils comply with, and even exceed, DIN 51524 part 2 for HLP hydraulic oils.

Application

Optileb HY oils are specifically designed for hydraulic applications in the food and beverage industries where there may be exposure of the lubricated part to the edible product or its packaging. They are suitable for use hydraulic systems on production, filling, and packaging machines.

Optileb HY hydraulic oils are also suitable for use in hydraulic systems in applications where high viscosity index products are required.

Advantages

- OPTITEC® - OPTIMOL technology
- Tasteless and odorless
- No foam formation
- Excellent viscosity/temperature behavior
- Good water separation ability
- Miscible with mineral oil

Typical Characteristics

Name	Method	Unit	Optileb HY 32	Optileb HY 46	Optileb HY 68
Appearance	-	-	Clear Fluid	Clear Fluid	Clear Fluid
Base Oil Type	-	-	PAO	PAO	PAO
Density @ 15°C	ASTM D 4052	g/ml	0.83	0.83	0.84
Viscosity @ 40°C	ASTM D 445	cSt	30.5	43.6	65.6
Viscosity @ 100°C	ASTM D 445	cSt	5.81	7.43	10.28
Viscosity Index	ASTM D 2270	-	136	136	143
Pour Point	ASTM D 97	°C / °F	-50 / -58	-48 / -54	-45 / -49
Flash Point	ASTM D 92	°C / °F	219 / 426	242 / 468	242 / 468
Rust Test (24 hrs, synthetic sea water)	ASTM D 665B	-	Pass	Pass	Pass
FZG Test Failure Load Stage (A/ 8.3/90)	DIN 51354	-	>12	>12	>12
Vickers Pump Test	DIN 51389	-	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

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