

## **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**

- OPTITEC® - OPTIMOL technology
- Physiologically safe, NSF H1 registration
- Tasteless and odorless
- No foam formation
- Excellent viscosity/temperature behavior
- Good water separation ability
- Miscible with mineral oil
- Disposal like mineral oil

## Typical Characteristics

Name	Method	Units	HY 32	HY 46	HY 68
ISO Viscosity Grade			32	46	68
Appearance	-	Visual	Transparent / Clear	Transparent / Clear	Transparent / Clear
Density at +15°C/ +59°F	g/ml	ISO 12185/ ASTM D4052/ DIN 51757	0.83	0.83	0.84
Base Oil	-	-	Polyalphaolefin	Polyalphaolefin	Polyalphaolefin
Kin. Viscosity at +40°C/+104°F	mm²/s	ISO 3104/ ASTM D445/ DIN 51562	30.5	43.6	65.6
Kin. Viscosity at +100°C/+212°F	mm²/s	ISO 3104/ ASTM D445/ DIN 51562	5.81	7.43	10.28
Viscosity Index	-	ISO 2909/ ASTM 2270/ DIN ISO 2909	136	136	143
Pour Point	°C/°F	ISO 3016/ ASTM D97/ DIN ISO 3016	< -50/< -58	-48/-54.4	-45/-49
Flash point	°C/°F	ISO 2592/ ASTM D92/ DIN ISO 2592	219/426.2	242/467.6	242/467.6
Rust Test (24 hrs Synthetic sea water)	-	ISO 7210/ ASTM D665B/ DIN 51585	Pass	Pass	Pass
FZG Test (A/8.3/90) Failure Load Stage	-	DIN 51354	>12	>12	>12
Vickers Pump Test	-	DIN 51389	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

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Castrol India Limited, Industrial Lubricants & Services Rayala Towers , II Tower , V Floor 781-785 , Anna Salai , Chennai – 600 002

Tel: +91 44 42198899 / 823 Fax: +91 44 28416305 Toll Free: 1800 - 425 - 4588 (BSNL) Help Line: 044-42198885 Email: CustomerService.India@castrol.com  
www.castrol.com/industrial