



Product Data

OPTILEB HY RANGE

Issue Number 1
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Food Grade Hydraulic Oils

DESCRIPTION

Castrol Optileb HY 32 is primarily a non-toxic hydraulic fluid, manufactured solely from FDA (United States Food and Drugs Administration) listed ingredients for use within the food processing industry, particularly where incidental contact with foodstuffs may occur.

Optileb HY 32 is USDA H1 / NSF Approved certificate no. 134151.

APPLICATION

Castrol Optileb HY grades have excellent anti-wear performance and can be used in hydraulic systems with all types of pumps and motors at their rated speeds and pressures. They are extremely resistant to water wash and offer excellent corrosion protection, making them also suitable for use as a light lubricating oil in wet environments or in applications where equipment is frequently washed down. It is recommended that systems being converted to Optileb HY grades are thoroughly drained and flushed before filling to prevent contamination with previous hydraulic fluid. Optileb HY 32 is ideal for use as an airline lubricant for the lubrication of compressed air powered equipment for food and beverage processing and packaging. It is suitable for use with both manual and automatically lubricated airlines. Optileb HY 32 prevents scum build-up and vane scorching in airline motors

FEATURES

- ◆ Contain only FDA listed raw materials
- ◆ Non staining, Non toxic
- ◆ Excellent anti-wear performance
- ◆ Extremely water resistant

BENEFITS

- ◆ Authorised by USDA for Category H1 service
- ◆ Food grade lubricant
- ◆ Minimising component wear, giving long term reliability of pumps and motors
- ◆ Gives excellent corrosion protection



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TYPICAL PHYSICAL CHARACTERISTICS

-	HY32	HY46	HY68
Appearance	Clear, amber fluid	Clear, amber fluid	Clear, amber fluid
Base Fluid Type	PAO	PAO	PAO
Kinematic Viscosity, cSt			
@ 40°C	32	46	68
@ 100°C	6.2	8.1	11.0
Viscosity Index	146	150	152
4-Ball Test (IP 239) 1hr Wear @ 30kg, mm	0.32	0.32	0.32
FZG Fail Stage	12	12	12+
Vickers Vane Pump Test, total wt loss, mg @ 104°C	-	5	-
Pour Point, °C	-45	-45	-45
Relative Density @ 20°C	0.835	0.840	0.840
Approval	USDA H1	USDA H1	USDA H1

Health and Safety information sheets are available for all Castrol products from the address below:
Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:
Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)486083

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