



Performance Bio HE PBL Range

Bio-Based Hydraulic Oil

Description

Castrol Performance™ Bio HE PBL Range (previously called Performance™ Biolubes Bio Hydraulic Range) is a sustainable bio-based hydraulic oil formulated with optimized plant-based oils that surpass the lubricity of most conventional oils. It protects against wear and has high flash points for safety.

Application

- All metalworking related hydraulic systems requiring ISO 32 and ISO 46 oils
- Not formulated for cold temperature use. Should be stored inside at all times.

Advantages

- Stable performance through a wide operating temperature range
- Good seal compatibility
- High flash and fire points
- Made from North America-grown plant-based oils
- Superior thin-film protection to reduce wear
- Protect all metal components from rust and corrosion

Typical Characteristics

Name	Method	Units	HE 32 PBL	HE 46 PBL
ISO Viscosity Grade	-	-	32	46
Appearance	Visual	-	Light Yellow	
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	30.7	41.9
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	7.1	9.4
Pour Point	ASTM D97 / ISO 3016	°C/°F	-41/-42	-38/-36
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	238/460	304/580
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ASTM D4172	mm	0.43	0.41
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1b	1b

Subject to usual manufacturing tolerances.

These products were previously called Performance Biolubes BioHydraulic Range. The name was changed in 2015.

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03 Dec 2015

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