



Product Data

Performance™ Bio SW Range

Biodegradable Ester Based Slideway Lubricant

Description

Castrol Performance™ Bio SW Range (previously called Carelube™ SL Range) is available in ISO 68 and 220 viscosity grades. It is specifically designed for use in machine tool slideway systems.

Application

Performance Bio SW Range should be used in place of conventional mineral slideway oils to ensure optimum performance when used in conjunction with the CARECUT neat cutting range. It is especially important with machine slideway systems as the majority of machine tools employ total loss technology

Performance Bio SW 68 may also be used for machine tool hydraulic systems where ester based soluble cutting fluids are being utilised and minimisation of impact of contamination is required.

Advantages

- Inherently Biodegradable
- Environmentally friendly
- Excellent stick slip performance
- Compatible with ester based neat cutting oils
- Compatible with certain ester based soluble oils

Typical Characteristics

Name	Method	Units	Bio SW 68	Bio SW 220
Appearance	Visual	-	Pale Amber	
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³	921	922
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	68	220
Viscosity Index	ASTM D2270 / ISO 2909	-	189	195
Pour Point	ASTM D97 / ISO 3016	°C/°F	-27 / -17	-30 / -22
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	266 / 511	276 / 529
Stick Slip Ratio	Cincinnati Lamb	-	0.71	0.72
Thermal Stability	Cincinnati Lamb	-	Pass	Pass

Subject to usual manufacturing tolerances.

This product was previously called Carelube SL Range. The name was changed in 2015.

Performance™ Bio SW Range

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