



## 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 <sup>3</sup>	921	922
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /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

21 Apr 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

199 Oxford Road, Dunkeld, Johannesburg, 2196, South Africa  
 +27 11 488 5111, 0860 222 166 (SA), 0800 111 551 (SA)  
[www.castrol.co.za](http://www.castrol.co.za)