



Carelube SL Range

Biodegradable Ester Based Slideway Lubricant

Description

Castrol Carelube™ SL range is available in ISO 68 and 220 viscosity grades. It is specifically designed for use in machine tool slideway systems.

Application

- Castrol Carelube SL 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.
- Carelube SL 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	Carelube SL 68	Carelube SL 220
Appearance	Visual	-	Pale Amber	Pale Amber
Density at 20°C	ISO 12185, ASTM D4052	g/ml	0.921	0.922
Viscosity at 40°C	ISO 3104, ASTM D445	mm ² /s	68	220
Viscosity Index	ISO 2909, ASTM D2270	-	189	195
Pour Point	ISO 3016, ASTM D97	°C	-27	-30
Flash Point, COC	ISO 2592, ASTM D92	°C	266	276
Stick Slip Ratio	Cincinnati Lamb	-	0.71	0.72
Thermal Stability	Cincinnati Lamb	-	Pass	Pass

Subject to usual manufacturing tolerances.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition.

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