



Magna™ SW 32

Slideway oil

Description

Castrol Magna™ SW 32 (previously called Castrol Magna™ GC 32) is a specially formulated slideway lubricant to provide all-round performance with good stick-slip and load carrying performance. It combines controlled frictional characteristics with high film-strength and high load carrying properties to eliminate 'stick-slip'.

Application

Magna SW 32 is a light viscosity, combined hydraulic and slideway lubricant. Applications include lightly loaded slideways such as found on small centre lathes and combined hydraulic and slideway systems such as in reciprocating grinding machines.

Advantages

- Good lubricity – prevents stick-slip of slideways.
- High load carrying capacity – prevents wear of highly loaded slideways.
- Good demulsification and cutting fluid compatibility – can be used in the presence of water or water based metalworking fluids.

Typical Characteristics

Name	Method	Units	SW 32
Appearance	Visual	-	bright & Clear
ISO viscosity grade	-	-	32
Density @ 20°C	ASTM D4052	kg/m ³	869.4
Kinematic Viscosity @ 100°C	ASTM D445	mm ² / s	5.3
Kinematic Viscosity @ 40°C	ASTM D445	mm ² / s	32
Viscosity Index	ASTM D2270	None	96
Pour point	ASTM D97 / ISO 3016	°C	-12
Flash Point - open cup method	ASTM D92	°C	216
Rust test - distilled water (24 hrs)	ASTM D665A / ISO 7210	Rating	Pass
Rust test - synthetic seawater (24 hrs)	ASTM D665B / ISO 7210	Rating	Pass
Copper corrosion (3 hrs@100°C)	ASTM D130	Rating	1b
Four ball wear test (40 kg, 75°C, 1800 rpm, 1 hr), scar diameter	ASTM D2266	mm	-

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.

This product was previously called Magna GC 32. The name was changed in 2015.

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03 Sep 2015

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