

# LUBRICATION



## SPEED Spindle Oil

### DESCRIPTION

**SPEED** are premium oils for the lubrication of machine tool spindles and high speed bearings.

### ADVANTAGES

- Superior demulsibility and anti-foam characteristics
- Very good anti-wear protection
- Excellent Oxidation Stability
- Zinc-free
- Very good corrosion and rust protection

### PROPERTIES

Characteristics	Specifications	Units	SPEED 10
<b>Density @ 20°C</b>	ASTM D4052	kg/L	0.829
<b>Viscosity @ 40°C</b>	ASTM D445	mm <sup>2</sup> /s	11.3
<b>Viscosity @ 100°C</b>	ASTM D445	mm <sup>2</sup> /s	2.9
<b>Viscosity index</b>	ASTM D2270	---	102
<b>Flash point</b>	ASTM D92	°C	214
<b>Pour point</b>	ASTM D97	°C	< -42
<b>Foaming Seq I, II, III</b>	ASTM D892	ml / ml	0/0-20/0-0/0
<b>4 ball test wear</b>	ISO 20623	mm	0.93
<b>4 ball test weld load</b>	ISO 20623	kg	160

**SPEED** meets the following standards:

- DIN 51524 Part 2, ISO 6743 Part 4 HM
- SEB 181 222
- Thyssen TH-N 256-142
- U.S. Steel 127

### APPLICATIONS

- High speed spindle bearings in precision grinders and other machine tools
- Textile spinning frames
- Hydraulic systems that require the use of low viscosity oils

*The specifications of our products only become definitive at the time of order, which is subject to our general sale and guarantee conditions. The general characteristics of our products may change to provide our customers with the benefits of technical developments. The safety data sheet of this product is available on [www.motul.com](http://www.motul.com).*

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Creation date: 2015/07/13  
 Revision date: 2015/08/07