

SPEED

Spindle Oils

DESCRIPTION

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

RECOMMENDED APPLICATIONS

Lubrication of high-speed spindles bearings, airline oilers, hydraulic systems requiring low-viscosity lubricants in grinders and other machine tools.

SPECIFICATIONS / APPROVALS

SPEED meets the following requirements:

- ISO TR 3498: L-FD and L-HM
- ISO 6743-2: L-FD

ADVANTAGES

- High demulsification with soluble cutting fluids.
- Resistance to corrosion and rust.
- Anti-wear.
- Resistance to oxidation.

TECHNICAL INFORMATIONS

CHARACTERISTICS	Standards	SPEED AA 2	SPEED A 5	SPEED A 10	UNIT
Density at 20 °C	ISO 36755	0.812	0.845	0.838	kg/L
Viscosity at 40 °C	ASTM D445	2.1	5.1	10.0	cSt
Viscosity at 100 °C	ASTM D445	1	1.6	2.7	cSt
Viscosity index	ASTM D2270	148	na	112	-
4-ball wear scar	ISO 20623	1.04	0.54	0.6	mm
Foam stability, seq I, II, III	NF T 60 129	0/0-0/0-0/0	40/0-10/0-30/0	40/0-0/0-40/0	ml / ml
Copper corrosion	NF M 07105	1a	1a	1a	
Flash point	ASTM D92	108	140	146	°C
Pour point	ASTM D97	-54	-46	-48	°C

The specifications are given for information purposes only and may need to change.