

## SÄGE Slideway Oil

### Product Description

**SÄGE Slideway Oil** is a high-performance lubricant designed for the efficient operation of machine tool slideways. It provides superior protection against wear, eliminates stick-slip motion, and enhances machining accuracy. With excellent adhesion and coolant separability, it ensures long-lasting lubrication, even in high-load applications.

### Application

**SÄGE Slideway Oil** is recommended for use in:

- Lathes, milling machines, grinding machines, and cutting tools.
- Machine tool slideways, linear guides, headstocks, and translating screws.
- Hydraulic and slideway combined systems.
- Horizontal and vertical slideways, reducing friction and preventing wear.

### Approvals & Specifications

- DIN 51502 CGLP
- ISO 6743-13 L-GA, L-GB
- Cincinnati Milacron P-47 (ISO 68)
- Cincinnati Milacron P-50 (ISO 220)
- DIN 51524 Part 2 (ISO 68)

### Product Features & Benefits

- **Superior Lubricity:** Prevents stick-slip and ensures smooth, precise movement.
- **High Load-Carrying Capacity:** Protects against wear and prolongs equipment life.
- **Excellent Adhesiveness:** Prevents lubricant wash-away from slideways.
- **Good Coolant Separability:** Enhances coolant performance and machine precision.
- **Rust & Corrosion Protection:** Prevents deterioration even in water-based environments.

### Health, Safety, and Environment

- Non-toxic under normal usage conditions.
- Avoid prolonged skin contact; use protective gloves if necessary.
- In case of accidental ingestion or prolonged exposure, seek medical attention immediately.

### Storage & Handling

- Store in a cool, dry place away from direct sunlight and water contamination.
- Follow standard industrial practices for handling lubricants.
- Dispose of used oil responsibly according to local regulations.

### Typical Properties by Viscosity Grade

Property	Method	VG 32	VG 46	VG 68	VG 100	VG 220
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	ASTM D445	32.5	46.2	68.5	100.3	220.5
Kinematic Viscosity @ 100°C (mm <sup>2</sup> /s)	ASTM D445	5.5	6.8	9.0	11.5	18.5
Viscosity Index	ASTM D2270	95	98	104	110	115
Flash Point (°C)	ASTM D92	210	215	220	225	255
Pour Point (°C)	ASTM D97	-18	-15	-12	-10	-12
Copper Strip Corrosion (3h @100°C)	ASTM D130	1B	1B	1B	1B	1B
FZG Scuffing Load Stage	ISO 14635-1	12	12	12	12	12
Density @ 15°C (g/ml)	ASTM D4052	0.870	0.875	0.884	0.890	0.895

