

Bio-Slide Way™ Lubricants

(ISO 32, 68, 220)

Bio-Slide Way™ Lubricants are ultimately biodegradable, biosynthetic-blend lubricants formulated for the precise lubrication of machine tool slideways and guideways. Designed to eliminate stick-slip and table chatter, these high-performance fluids reduce friction between mating surfaces and provide exceptional EP protection under heavy loads. Formulated with proprietary Stabilized™, they form uniform films that resist squeeze-out, reducing wear and extending equipment service life, even when machines are idle. Bio-Slide Way™ 32 is specifically recommended for dual-purpose applications involving both hydraulic systems and slideway lubrication.

Benefits

- Readily biodegradable, environmentally non-toxic, not bioaccumulative
- Eliminates stick-slip and reduces table chatter
- Excellent metal adhesion and film-forming properties
- Strong EP protection for heavily loaded way surfaces
- Superior rust and corrosion resistance, even in synthetic seawater
- Compatible with Cincinnati Machine P-53, P-47, and P-50 specifications
- High viscosity index for broad temperature stability
- STABILIZED™ with patented antioxidant and anti-wear technology
- USDA Biobased formulation with vegetable-based HOBS
- Patented performance backed by US Patents 6,383,992 and 6,534,454

Application / New Filling

- Recommended for lubrication of:
 - Machine tool slideways and guideways
 - Horizontal and vertical ways requiring tacky film and friction stability
 - Combined hydraulic and way lubrication systems (ISO 32)
 - Use ISO 32 for light-duty dual service, ISO 68 and 220 for heavier applications
 - For equipment conversions, consult Renewable Lubricants technical services

Specifications and Approvals

- ASTM D-5864 – Ultimately Biodegradable/ OECD 301 Readily Biodegradable
- Patented Stabilized™ technology: enhanced oxidation, cold flow, and wear resistance

TYPICAL SPECIFICATIONS		32	68	220
Viscosity, cSt /40 ⁰ C	D-445	30.1	63	199
cSt /100 ⁰ C	D-445	6.7	12.1	30
Gravity, ⁰ API	D-287	30.3	27.8	25.3
Viscosity Index	D-2270	190	191	193
Rust, Syn. Sea Water	D-665B	PASS	PASS	PASS
Flash, COC ⁰ C	D-92	256	273	290
Pour, ⁰ C	D-97	-25	-25	-20
Timken OK Load, lb.	D-2782	60	60	60
4-Ball Load				
Wear Index, kg	D-2783	35.5	37.2	46.8
4-Ball Weld Point, kg	D-2783	200	200	250
Thermal Stability		PASS	PASS	PASS
Cincinnati Machine				
Spec. No.		P-53	P-47	P-50
Stick Slip		.72	.72	.72
RLI Product Item #		86900	86910	86920

