



## Uniguide II

Phillips 66® Uniguide II is a premium quality oil specially developed to provide optimum lubrication of saw guides and saw blades in sawmills. It is particularly recommended for the lubrication of arbor bearings and saw guide systems that utilize “thin kerf” technology in cutting lumber.

Uniguide II is formulated with unique ashless additive technology to provide wear protection, tackiness, enhanced metal-wetting ability, and protection against rust and corrosion. Oiliness and tackiness agents provide a strong oil film that reduces friction and resists sling-off during operation, resulting in extended saw guide life and reduced water usage for cooling. An extreme-pressure additive provides extra protection against saw guide wear.

Uniguide II homogenizes with water to form fine droplets to provide effective saw guide lubrication. It has excellent filterability and does not contain any chlorine or heavy metal compounds.

Uniguide II is non-toxic to Rainbow Trout, Daphnia, Algae, and Mysid Shrimp as per OECD 201, 202, and 203 procedures.

### Applications

- Saw guides and blades
- Arbor bearings
- Saw system ways and gears

Uniguide II is recommended for use in saw guide systems from all leading manufacturers, including:

- Coe Newnes/McGehee
- Salem
- USNR (Schurman, Ukiah)

### Features/Benefits

- Good metal-wetting ability
- Homogenizes into fine droplets in the presence of water
- Extreme-pressure properties for wear protection
- Resists sling-off
- Excellent filterability
- Protects against rust and corrosion
- Ashless formulation; does not contain heavy metals or chlorine
- Environmentally friendly and non-toxic to both freshwater and saltwater organisms

## Premium Ashless Saw Guide Oil





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Typical Properties				
ISO Grade	32	46	100	150
Specific Gravity @ 60°F	0.861	0.871	0.875	0.880
Density, lbs/gal @ 60°F	7.17	7.25	7.29	7.32
Color, ASTM D1500	1.0	1.0	2.0	2.5
Flash Point (COC), °C (°F)	216 (420)	225 (437)	268 (514)	282 (540)
Pour Point, °C (°F)	-24 (-11)	-24 (-11)	-29 (-20)	-18 (0)
Viscosity				
cSt @ 40°C	32.0	46.0	100	150
cSt @ 100°C	5.6	7.1	12.4	16.0
SUS @ 100°F	165	237	518	783
SUS @ 210°F	45.0	50.0	69.2	83.8
Viscosity Index	114	113	117	111
Foam Test, ASTM D892, Seq. I, mL	0/0	0/0	0/0	0/0
Rust Test, ASTM D665 A&B	Pass	Pass	Pass	Pass

## Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.