



### Features

- Cincinnati Machine Slideway P-47, P-50 & P-53.
- Excellent water and fluid separation
- Excellent adhesion, even on vertical surfaces

### Benefits

- Effective . stops chatter, increases machining accuracy
- Effective wear protection with EP and friction modifiers
- Versatile . can also be used in worm gear boxes

**WAYLUBE** uses pure paraffinic base oils with selected additives to give a high performance lubricant designed for use on the slide-ways of machine tools.

Slide-ways, or any flat metal surfaces sliding over one another, are prone to chatter due to sticking and slipping. This stick-slip action reduces the accuracy of the machining operation and leads to high and uneven wear of the metal surfaces.

**WAYLUBE** uses extreme pressure (EP) and friction modifying agents to reduce bonding between the metal surfaces. Its success in doing this is measured by the ratio of the Static to the Dynamic friction coefficients, called the stick-slip ratio, which must be less than 1.0, and the lower the better. Cincinnati-Milacron way oil specifications P-47 and P-50 call for the ratio to be less than 0.8, and Irving **WAYLUBE** exceeds this requirement.

**WAYLUBE** also uses an effective tackiness agent to help the oil stick to metal surfaces, especially vertical ones, and resist flowing off or being scraped away. **WAYLUBE** is also non-corrosive to copper and aluminum and will not stain these metals. **WAYLUBE 220** is also suitable for use in some worm gear boxes where the friction modifiers effectively reduce wear between the rubbing surfaces, and it has successfully passed the David Brown Radicon 250 hour worm gear test.

## Typical performance results

ISO GRADE	68	220
VISCOSITY (D-445) cSt @ 40°C	67.4	226.9
FLASH POINT (°C) (D-92)	240	290
STICK-SLIP RATIO (Cincinnati-Milacron method)	0.66	0.68
FRICTION COEFFICIENT (Schmidt Tribotester Method, cast iron on steel)	0.09	0.68
COPPER STRIP CORROSION (D-130) 3 Hrs. @ 121°C	1B	1B
STEEL CORROSION (D-665, method B)	NO RUST	NO RUST
4-BALL EP (D-2783) WELD POINT (kg)	190	230
4-BALL WEAR SCAR DIAM. (mm.) (D-2266) (20kg/1800RPM/55°C/HR)	0.26	0.26

## Available sizes & part numbers

	18.9 L Pail (5.0 US gal)	205L Drum (54.2 US gal)	500L Cube (132 US gal)	1000L Cube (264 US gal)	Bulk
<b>WAYLUBE 68</b>	F0082540	F0068950		F0022060	B0022001
<b>WAYLUBE 220</b>	F0082440	F0021950		F0021960	

Check with sales representative or website for the latest product approvals.



Lubricants

[www.irvinglubricants.com](http://www.irvinglubricants.com)