

# WAYLUBE

## Premium Slideway Lubricant



### Features & Benefits

- Effective – stops chatter, increases machining accuracy
- Effective wear protection with EP and friction modifiers
- Versatile – can also be used in worm gear boxes
- Excellent water and fluid separation
- Excellent adhesion, even on vertical surfaces

#### Specifications: Meets or Exceeds

Cincinnati Machine Slideway P-47, P-50 & P-53	X
David Brown Radicon 250 hr. worm gear test.	X

**WAYLUBE** uses high quality 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, 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. Please refer to your owner's manual when using this application for Worm Gear Boxes.

### Sizes & Order Codes

WAYLUBE 68	WAYLUBE 220
18.9L Pail (5 US gal) F0082540	18.9L Pail (5 US gal) N/A
205L Drum (54.2 US gal) F0068950	205L Drum (54.2 US gal) F0021950
1000L Cube (264 US gal) F0022060	1000L Cube (264 US gal) F0021960
Bulk B0022001	Bulk B0021901

### Typical Results

ISO GRADE	68	220
<b>VISCOSITY</b> (D445) cSt @40°C cSt @100°C	68.8 8.96	219.7 19.2
<b>VISCOSITY INDEX</b> (D2270)	104	98
<b>FLASH POINT</b> (°C) (D92)	234	280
<b>STICK- SLIP RATIO</b> (Cincinnati-Milacron Method)	0.66	0.68
<b>FRICTION COEFFICIENT</b>	0.09	0.68
<b>COOPER CORR.</b> (D130)	1B	1B
<b>STEEL CORROSION</b> (D665, method B)	No Rust	No Rust
<b>4-Ball EP</b> (D2793) <b>WELD POINT</b> (Kg)	190	230
<b>4-Ball Wear Scar DIAM</b> (mm)(D2266)	0.26	0.26
<b>POUR POINT</b> (D97) (°C)	-9	-3
<b>DENSITY</b> (D4052) Kg/L 15°C	0.8809	0.8941



Blending & Packaging

www.irvingblend.com  
1.800.574.5823

Supporting data available to demonstrate appropriate performance.  
Check with your Sales Representative for latest product approvals.  
Please note, these are typical performance indicators and can change without notice.  
This data sheet supersedes any previous version prior to 08/30/2018.