



# PRODUCT DATA SHEET



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## RAYLENE® WAY OIL 68

**Raylene Way Oil 68**, commonly known as Raylene EP Lube 68, is a circulating oil developed for use on lathes and heavily loaded machine tool slideways. **Raylene Way Oil 68** is specially formulated to prevent stick-slip problems and to ensure good surface finish on the machined part, and provides the highest Extreme Pressure and anti-wear capabilities to maximize machine component protection. **Raylene Way Oil 68** contains no hazardous chemicals such as chlorine, lead, zinc or antimony, making it safer to handle and easier to dispose of after use. Raylene Way Oil 68's anti-rust, anti-wear, adhesive and Extreme Pressure additives ensure the full protection of slideways in equipment.

### *Applications*

- ◆ Horizontal and vertical slideways on machine tools, such as lathes, planers, shapers, drilling machines, milling machines and screw machines
- ◆ Lumber mill saw carriages
- ◆ Pneumatic equipment, such as jackhammers, pavement breakers and rock drills
- ◆ May be used for plain and roller bearings

### *Features and Benefits*

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|------------------------------------|---|
| ◆ Excellent adhesion to the metals | Chatter-free carriage operation. Reduction of oil leakage.                      |
| ◆ Extreme Pressure and anti-wear   | Provides maximum protection of machine components extending their service life. |
| ◆ Free of hazardous chemicals      | Safer to use. Easy disposal.  |
| ◆ USDA H2 rated                    | Acceptable in food plants where there is no possibility of food contact.        |

### *General Description*

**Raylene Way Oil 68** is formulated with a special tackifier additive that allows machine tool carriages to start easily and move smoothly throughout their travel, thus preventing stick-slip problems. This reduces carriage chatter and ensures a smooth finish on the machined part. The tackifier improves adhesion and prevents the oil from being squeezed off the slideways. It also helps prevent the oil from being washed away by cutting fluids. With a 100 pound Timken OK Load and a 12+ Stage FZG rating, the EP capabilities of the oil prevents scoring of the slideways during carriage travel.

### *Product No. 301332*

**RAYLENE® WAY OIL 68**  
**TYPICAL PROPERTIES**

<b><u>Product No.</u></b>	<b><u>301332</u></b>
<b><u>Old Product No.</u></b>	<b><u>71590</u></b>
ISO Viscosity Grade	68
Viscosity, ASTM D445	
@ 40°C, cSt	71.3
@ 100°C, cSt	9.20
Viscosity, ASTM D2161	
@ 100°F, SUS	369
@ 210°F, SUS	57.3
Viscosity Index, ASTM D2270	104
Pour Point, ASTM D97	
°C	-33
(°F)	(-27)
Copper Strip Corrosion, ASTM D130	
3 hrs @ 100°C, rating	1b
Rust Test, ASTM D665, Procedure A & B	Pass
Foam Test, ASTM D892	
Sequence I, ml/ml	nil foam
Sequence II, ml/ml	nil foam
Sequence III, ml/ml	nil foam
4-Ball Wear Test, ASTM D4172	
@ 1200 rpm, 40 kg, 1 hr, 75°C	
Scar Diameter, mm	0.35
Timken EP Test, ASTM D2782	
OK Load, kg (lb)	45.5 (100)
FZG Visual Test, ASTM D5182	
Failure Load Stage	>12
Color	Amber