



TIER ONE
LUBRICANTS
PRODUCT DATA SHEET

Tier One Lubricants™ Industrial Way Oils

Product Description

Tier One Lubricants™ Industrial Way Oils are formulated for use in slide ways and use special additives that prevent stick-slip. These oils contain a tackiness additive that helps prevent the oil from being squeezed out of small clearances by heavily loaded machines or running of vertical ways. These oils meet the following requirements: Industry and OEM Specifications

- Cincinnati Machine (appropriate viscosity grades) P47 and P50

Applications

Tier One Lubricants™ Industrial Way Oils can be used in both open and enclosed gear applications, and are especially useful where leakage is a concern. These oils are recommended for use in all types of gear sets where tacky, industrial extreme pressure lubricant is required. They are also ideal for bearing lubrication where reduced leakage is desired. These oils are non-staining and may be used in worm gears, except for those applications where the manufacturer specifically warns against the use of active sulfur-phosphorous EP gear oil. Typical applications – horizontal and sideways on machine tools such as:

- Grinders
- Lathes
- Planers
- Shapers
- Slotters
- Boring, drilling, milling and screw machines
- Airline lubricants for pneumatic equipment such as jackhammers, pavement breakers and rock drills

Typical Properties*

ISO Grade	68	220	ASTM Method
Viscosity at 40°C, cSt	69	244	D445
Viscosity at 100°C, cSt	8.9	20.4	D445
Viscosity Index	103	97	D2270
Flash Point, min °C	242	261	D92
Pour Point, min °C	-33	-18	D97
Rust Test	Pass	Pass	D665B
Cincinnati Lamb Stick-Slip	.77	.74	
Cincinnati Lamb Thermal Stability	P-47	P-50	

*The values shown here are representative of current production. Some are controlled by manufacturing specifications while others are not. All of them may vary within modest ranges.