

## *Hartland Waylube Oils*

**Hartland Waylube Oils** are specifically compounded oils developed for lubrication of slides and ways. They are intended to eliminate the phenomenon of stick-slip in machine tool operation. The special compounding plus the use of highly refined base stocks gives outstanding stability, adhesiveness, and exceptional load-carrying ability. They possess excellent metal wetting properties and serve as excellent rust preventives as well as lubricants. Hartland Waylube Oils are non-corrosive to both ferrous and nonferrous metals.

**Hartland Waylube Oils** are recommended for application to slides and ways of planers, grinders, millers, lathes, and other machine tools to eliminate stick-slip and assure smooth table action even at slow speeds and under heavy workloads.

**Hartland Waylube Oils** can also be applied to the bearings and gears of other machinery requiring the special properties of these oils. The manufacturers of machine tools have approved Hartland Waylube oil.

ISO Grade	68	220
Specific Gravity @ 60°F	.879	.893
Viscosity @ 40°C, cSt	69	244
Viscosity @ 100°C, cSt	8.9	20.4
Viscosity Index	103	97
Demulsibility, ASTM D1401	40/40/0 (15) 54°C	40/40/0 (15) 82°C
Flash Point, °C	242	260
Pour Point, °C	-33	-18
Rust, ASTM D665B	Pass	Pass
Acid No., ASTM D974	0.28	0.28
Phosphorous, ppm	100	100
Sulfur, ppm	4000	4000
Copper Corrosion, ASTM D130	1b	1b
Precipitation Number	65	60
Cincinnati Milacron Stick – Slip	0.77	0.77