

## Way Lube Ways for Machine Tools

## ISO 68, 220, 320 Heavy Sliding Loads

American Oil since 1895® Way-Lubes are extreme pressure products designed to lubricate the ways of machine tools. In most machining operations, a machine tool carriage is moved back on sideway, usually referred to as a way, at heavy load conditions and slow speeds. The lubricant is required to provide good load carrying characteristics while not impairing the smooth sliding action desired. Many applications require the carriage to start quickly and move smoothly, where other applications require frequent stopping alternating with incremental positive movements.

American Oil since 1895® Way-Lubes are formulated from specialty selected base oils fortified with rust preventative, lubricity agents, extreme pressure additives, demulsifiers, and friction modifiers to lubricate and protect sliding parts on machines tools. They are blended from highly refined hydro treated paraffinic base oils with special additives to provide tackiness that allows the lubricants to adhere to slide ways during severe applications.

American Oil since 1895® Way-Lubes are recommended for heavy sliding loads such as, Ways for machine tool carriages, Milling Machines, Boring Machines, Elevator Guides, Conveyor Chain Tails, Trolley Chains, Saw Mill Saws, Machine Tools Where Moving Parts Slide Over Each Other and Machine Tool Applications That Require A Dual Purpose Hydraulic Way Oil.

American Oil since 1895® Way-Lubes provide proven field performance and provides a viscous hydrodynamic film for protection against wear and chatter, protects against rust and corrosion, helps prevent SLIP-STICK, jerky movement on machines. American Oil since 1895® Way-Lubes meets the Cincinnati Machine (Formerly Cincinnati Milacron) Sideway P-47, P50 & P 53 tests for slip stick.

### Typical Test Data

Test	ASTM Method	68	220	320
ISO Grade	1298	68	220	320
Flash Point. COC <C>	92	202	232	254
Pour Point, C	D97	-30	-21	-18
Viscosity				
cSt at 100 C	D445	7.2	18.4	23.7
cSt at 40 C	D445	65	222	323
Viscosity Index	D2270	75	98	98

The typical test data for these products are intended as averages only. Minor variations, which do not affect each of the product's performance, are expected and are part of the normal manufacturing process. For further information on the safe use and handling of these products, please refer to the appropriate Material Data Safety Sheet. The information in this data sheet is, to the best of American Oil & Supply Co's knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control.