

## ADVANTAGE HD WAYLUBES

### OVERVIEW

**ADVANTAGE HD WAYLUBES** are specially formulated products developed for the lubrication of machine tool ways and slides. They eliminate stick-slip or table chatter by reducing friction between mating surfaces and provide superior film strength and excellent EP protection to ways under heavy loads.

### FEATURES & BENEFITS

**ADVANTAGE HD WAYLUBES** have metal wetting and adhesive agents that enable them to form uniform films that resist squeezing from way surfaces while the machine is not in operation. By preventing stick-slip, the wear of way surfaces is minimized, and their service life is greatly extended. The oil is also designed with additives to prevent the mixing of the product with water-based coolants.

### APPLICATIONS

**ADVANTAGE HD WAYLUBES** are effective lubricants for all machine applications where ways are present, regardless of load. This includes slideways, vertical or horizontal, on various machining tools including milling & screw machines, planers, shapers, drills, and lathers. Also used for air-operated hammers, breakers, and rock drills. **ADVANTAGE HD WAYLUBES** are suitable as EP lubricants where moderately loaded industrial gear boxes require a tacky gear oil with mild EP properties and can be used as combination oils (waylube, gear oil, and hydraulic fluid) when the lubrication system has a common reservoir and hydraulic pressure remains under 1000 psi.

### TYPICAL PROPERTIES

PRODUCT CODES	670	675	676	682	685
Property	32 HD	68 HD	100 HD	150 HD	220 HD
Viscosity, cSt @40 °C (D445)	32.0	68.0	100.0	150.0	220.0
Viscosity, cSt @100 °C (D445)	5.5	9.1	11.9	15.7	19.8
Viscosity Index (D2270)	105	110	108	107	103
Flash Point, COC °C, min.	220	225	230	235	253
Pour Point, °C, max.	-37	-35	-30	-20	-15
Stick Slip, ASTM D2877	.70	.70	.70	.70	.70
Cincinnati Fives Spec. No.	P-53	P-47	-	-	P-50
Timken OK Load, lb.	60	60	60	60	65
4-ball load wear index	35.5	37.2	39.7	42.5	46.8
4-ball weld Pt	200	200	200	200	200
Rust, Syn Sea Water	Pass	Pass	Pass	Pass	Pass