

ADVANTAGE WAYLUBES

OVERVIEW

ADVANTAGE 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 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 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 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	685
PROPERTY	32 HD	68 HD	220 HD
Viscosity, cSt @40 °C (D445)	32.0	68.0	220.0
Stick Slip, ASTM D2877	.70	.70	.70
Viscosity, cSt @100 °C (D445)	5.5	9.1	19.8
Viscosity, SUS/100 °F	165	351	1160
Viscosity, SUS/210 °F	45.0	57.2	100.2
Gravity, ° API	31.0	30.0	28.5
Viscosity Index (D2270)	105	110	103
Rust, Syn Sea Water	Pass	Pass	Pass
Flash Point, COC °F	405	425	500
Pour Point, °C	-25	-18	5
Timken OK Load, lb.	60	60	65
4-ball load wear index	35.5	37.2	46.8
4-ball weld Pt	200	200	200
Thermal Stability	Pass	Pass	Pass
Cincinnati Milacron Specification No	P-53	P-47	P-50