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ADVANCED LUBRICATION SPECIALTIES
ISO 9001:2008 Registered

ADVANTAGE 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 provide uniform films that resist squeezing from way surfaces. They offer excellent EP and corrosion protection, are low in odor, very light in color and are highly resistant to removal by the detergents used in synthetic and soluble oils. Their resistance to emulsification in coolants allows for easy skimming and coolant reuse. ADVANTAGE HD WAYLUBES employ inactive sulfur and phosphorus EP agents that activate at lower temperatures to ensure anti-wear protection early in the fabrication process. This extends tool life for longer service cycles.

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. 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.

SPECIFICATIONS

DIN 51502 CGLP SLIDWAY OILS • FIVES CINCINNATI P-53 (ISO 32), P-47 (ISO 68), P-50 (ISO 220) • ISO 11158/6743-4 HG • ISO 12925-1/6743-6 CKC • ISO 19378/6743-13 GA, GB

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
Four Ball Wear Scar, mm	.30	.30	.30	.30	.30
Timken OK Load, lbs	20	20	20	20	20
Stick Slip, ASTM D2877	.80	.80	.80	.80	.80
Copper Corrosion	1b	1b	1b	1b	1b