



Super S® Waylube ISO 32, 68, 220, 460

Super S® Waylubes are high quality circulating oils designed to help meet the critical lubrication demands for the slides and ways of machine tools. They are specially formulated to prevent stick-slip problems to ensure good surface finish on the machined part by incorporating a tackifier which is specifically engineered to provide controlled frictional properties to metallic surfaces.

Super S® Waylubes contains an additive package with a blend of robust EP and anti-wear agents, oxidation inhibitor, foam suppressor, and demulsifier which promote formation of thick lubricious films which minimize the chance of "stick-slip" or jerky movements and resist being wiped away by the slowly moving parallel surfaces of the way or being washed away by cutting fluids. The incorporated tackifier also minimizes leakage helping to control lubrication costs.

Super S® Waylubes are friction modified to meet the exacting lubrication demands for the slides and ways of machine tools. Their inherent low coefficient of static friction minimizes the chances of "stick-slip" or jerky motion of sliding parts on machine tools, which maximizes the operating efficiency of the tools and promotes smooth overall operation.

Super S® Waylubes are formulated to help provide excellent way oil separation from the metalworking coolant in the reservoir, minimizing the adverse affect of tramp oil on the coolant stability. Results may vary depending on the chemistry of the metalworking coolant used.

Their anti-wear and extreme pressure properties help protect the sliding surfaces. These oils help protect cast iron and bronze surfaces from rust and corrosion, and are resistant to oxidation to promote long lubricant life.

Special handling, notices or warnings

Handle all petroleum products with care.
Dispose of per local regulations.
For more information, refer to SDS.

Applications

Super S® Waylubes have proven suitable in the lubrication of ways in many types of machine tools, e.g. lathes, planers, shapers, drilling and tapping machines, etc., including those operating at high loads. They perform well in the lubrication of lightly loaded enclosed gears and industrial plain and anti-friction bearings. Additionally, their tacky quality makes these oils suitable for once-through applications, e.g. lubrication of chain drives.

Meets the requirements of
MAG Cincinnati Machine P-53 (32), P-47(68), P-50(220)

Waylube 32 & 68 are recommended for horizontal sideways on small to medium size machine tools. They are also suitable for circulating application in large machines and as a moderate duty hydraulic fluid.

Waylube 220 & 460 are recommended for large machines where way pressures are high and good precision is required. They are also recommended for vertical and inclined slideways where drain-down can be a problem and for moderate service machine tool gear drive mechanisms.

Features

- **Tacky Product:** Provides superior adhesion to reduce "stick-slip" and jerky movement
- **Sealing Capabilities:** Formulated to provide superior sealing properties and designed to prevent the loss of lubricant
- **Excellent Coolant Separability:** Allowing for easier disposal
- **Good Surface Finish:** For use in precision machinery
- **Multi-material Compatibility:** Suitable for a wide-array of material combinations allowing for product consolidation
- **Long Term Rust and Corrosion Protection:** Helps reduce the deterioration of sliding surfaces in the presence of water and aqueous coolants
- **Excellent Anti-wear Protection:** Protects against scoring and wear
- **Multi-use Lubricant:** Also suitable for use as a Rock Drill or Circulating Oil as needed in mild-EP applications

Technical data on page 2



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Typical Characteristics

Super S® Waylube ISO 32, 68, 220, 460					
Properties	Test Method ASTM D-	Typical Results			
ISO Viscosity Grade		32	68	220	460
Flash Point, COC °C	92	216	225	248	253
Pour Point, °F/ °C	97	-30	-18	-3	9
Viscosity: cSt @ 40°C	445	32	68	220	460
Viscosity Index	2270	95	95	95	95
Copper Strip Corrosion, 3h	130C	1B	1B	1B	1B
FZG load Support, Fail Stage	ISO 14635	13	13	13	13

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.