

Metal Lube Way Oil

No. 752

ISO: 32,68,150, 220

DESCRIPTION:

Metal Lube Way Oil has been specially formulated to meet the demands of today's high production machines. It is made with high quality virgin base oil and fortified with extreme pressure additives to protect your machine in heavy duty environments. The scientifically balanced formulation provides low friction and excellent corrosion protection. The unique advanced formula helps reduce stick-slip and chatter under a thin film, boundary lubrication package. Metal Lube Way Oil is manufactured to protect slides and ways from pitting and scarring while providing good filterability. It will help keep your lubrication system clean and flowing smoothly. From the latest CNC machines to the standard screw machines, Frontier Premium Way Oil is manufactured to ensure your machines are protected from wear.

Metal Lube Way Oil was developed to work in conjunction with emulsion and micro-emulsion coolants. This includes soluble and semi-synthetic fluids. It is designed to separate and float to the top of your sump to help extend your coolant life and make it easier to remove for good coolant management.

Metal Lube Way Oils are manufactured to meet the requirements of Cincinnati Machine P-47, P-50 & P-53 specifications and Bijur pump specifications.

ADVANTAGES:

- Protects Slides & Ways Under Heavy Pressure
- Keeps Lubrication System Clean
- High Quality & Purity Ensure Good Flow
- Excellent Demulsibility From Water Based Coolants
- Economical

RECOMMENDATIONS:

- Metal Lube Way Oil No. 2 is recommended for horizontal slideways on small to medium size machine tools. It is also suitable for flood application in large machines
- Metal Lube Way Oil No. 4 is the normal recommendation for large machines where way pressures are high or good precision is required. It is also recommended for vertical and inclined slideways where drain-down can be a problem
- Metal Lube Numbered Series can be used for lubrication of ballscrews, linear guides, headstocks, translating screws, spur and bevel gears, and lightly loaded worm gears
- Applications where conventional mineral oil contamination of the aqueous coolants shortens coolant batch life

TYPICAL SPECIFICATIONS:

ISO Grade	32	68	150	220
Characteristic	Way Oil 1	Way Oil 2	Way Oil 3	Way Oil 4
Viscosity				
SUS @ 100°F	165	350	785	1150
SUS @ 210°F	44	55	80	94
cSt @ 40°C	32	68	150	220
cSt @ 100°C	5.3	8.5	14.5	18.5
Viscosity Index (ASTM D-2270)	97	97	96	96
Flash Point@40°C (ASTM D-92)	>210	>220	>235	>235
Specific Gravity (ASTM D-1298)	0.859	0.87	0.883	0.886
Copper Corrosion (ASTM D-130)	1b	1b	1b	1b
Steel Corrosion (ASTM D-665B)	Pass	Pass	Pass	Pass
Four Ball Wear, Scar, (mm 20 kg, 1800 rpm, 1 hr, 130oF)	0.37	0.29	0.27	0.26

PERFORMANCE PRODUCTS GUARANTEED