

AUTOMAX SULFUR IN-ACTIVE TRI PURPOSE METAL-WORKING OILS

AUTOMAX METAL-WORKING OILS are multi-purpose, light colored cutting fluids of the non-staining type. They are specifically designed for use in the machining of non-ferrous metals where the use of "active sulfur" containing cutting oils result in the staining of non-ferrous parts and machine-tool components.

AUTOMAX METAL-WORKING OILS are designed for use as both a cutting oil and a machine tool lubricant. These oils are effective in reducing friction on the part / tool interface while remaining inactive (non-corrosive) in the machine tool lubrication system under conditions normally encountered.

The in-active (non-corrosive) feature of these oils makes them well suited for the machining of copper and its alloys as well as a variety of operations on ferrous metals where machinability requirements range from mild to moderately severe. **AUTOMAX METAL-WORKING OILS** also contain additives to control misting.

A blend of paraffinic base stocks are incorporated into the **AUTOMAX OILS** along with a combination of extreme pressure sulfurized polyolefins and friction-modifying compounds to promote optimum performance while exhibiting improved environmental conditions for operators such as lower mist as well as improved thermal stability and smoking tendencies. They also have very low pour points to facilitate handling at lower temperatures. **AUTOMAX OILS** are not formulated with chlorine or chlorinated paraffins.

The use of **AUTOMAX METAL-WORKING OILS** in multi-spindle automatic screw machines, as both cutting oil and lube oil, is most effective where dilution of the cutting fluid by the oil from a leaking lube oil system is encountered. Dual / Tri- purpose oils are not intended for use in hydraulic systems with pumps and pressures and speeds requiring the use of an anti-wear type hydraulic oil.

Typical Physical and Chemical Properties

AUTOMAX	177	20	22	25	38	45	50
Item Number	04068	04070	04322	04325	04338	04345	04350
Appearance	Straw	Straw	Straw	Straw	Straw	Straw	Straw
Flash Point, COC F	>275	>350	>350	>350	>350	>350	>350
Specific Gravity, 60 F	.88	.88	.87	.87	.87	.87	.88
Viscosity, SUS @ 100 F	60	85	135	120	160	170	200
Sulfur, % Total	0.65	1.5	0.5	.75	1.0	1.5	2.0
Sulfur, % Active	nil	nil	nil	nil	nil	nil	nil
Chlorine, %	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Fatty Olefin / Oil-Film Components, %	3.3	7.5	2.5	3.8	5.2	7.8	10

AUTOMAX METAL-WORKING OILS are available in 55 gallon steel drums, totes and bulk quantities.

AUTOMAX METAL-WORKING OILS CONTINUED:

Shipping Identification / labeling:

D.O.T. ID.: PETROLEUM PRODUCTS,
CLASS 65 NMFC155250
(NOT D.O.T. REGULATED)

HMIS	
Health	1
Flammability	1
Reactivity	0
Personal Protection	⌘

Per OSHA Std. 29 CFR 1910.1200: Read and understand the Material Safety Data Sheet before handling or disposing of this material.

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