

Machine Oil

Sigma Machine Oils contain high quality mineral base oils and anti-rust & anti-oxidant additives. That possess good natural lubricating properties enhanced by modern refining techniques. It has a very low pour point and high viscosity index.

Sigma Machine Oils are formulated to meet the demands of circulating systems in industrial equipment. These systems expose the lubricant to a broad range of operating temperatures.

APPLICATION

Sigma Machine Oil is a versatile range of oils that can be used wherever a straight mineral oil with modest additive treatment has been specified. Particularly recommended for industrial use in enclosed and circulating systems, Central lubricating systems, oil baths, automatic lubricators gear boxes, including wet-end systems, Chain drive belts, Rollers, dryer bearings and all oil-lubricated bearings, machine tool headstocks, enclosed gear-boxes and vacuum pumps as well as general lubrication during equipment installation.

BENEFITS

- Long lubricant life
- Excellent wear & rust protection
- Lubricates efficiently over a wide temperature range
- Creates an effective water repellent film
- Extends machine & equipment life



TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS					
		32	68	100	150	220	320
ISO VISCOSITY GRADE	-	32	68	100	150	220	320
Appearance	Visual	B & C	B & C	B & C	B & C	B & C	B & C
Color	ASTM D 1500	L 0.5	L 0.5	L 0.5	L 1.5	L 2.5	L 2.5
Density at 15 °C	ASTM D 4052	0.8585	0.8649	0.8750	0.8787	0.8871	0.8946
Density at 29.5 °C	ASTM D 4052	0.8494	0.8557	0.8614	0.8696	0.8780	0.8855
Kinematic Viscosity at 40 °C	ASTM D 7042	33.33	69.21	100.87	159.26	220.43	326.69
Kinematic Viscosity at 100 °C	ASTM D 7042	5.67	9.28	11.19	16.25	18.29	25.08
Viscosity Index	ASTM D 2270	111	109	107	107	105	99
Pour Point	ASTM D 97	-27	-21	-18	-18	-15	-15
Flash Point	ASTM D 93	215	218	240	244	250	260
Total Acid number (TAN)	ASTM D 664	0.345	0.345	0.345	0.345	0.350	0.350

