

UNITED EPSILON MACHINE OIL

United Epsilon Machine Oil is a premium quality, solvent refined, high viscosity index paraffinic mineral lubricating oil for a wide range of industrial applications where low cost is a prime consideration. United Epsilon Machine Oil will be used in industrial applications where loadings and temperatures are moderate industrial hygiene units and other hydraulic systems. As well as spur, helical, bevel & worm gearboxes where a non-additive mineral oil is approved by the gear manufacturer.

United Epsilon Machine Oil also inhibits foam from forming in the oil and offer a moderate level of protection against rust and corrosion in the event of water contamination.

APPLICATIONS / BENEFITS

- Good water shedding properties
- Long life in circulatory systems
- Resists foaming
- Economical

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
		15	22	32	46	68
ISO Viscosity Grade		15	22	32	46	68
Specific Gravity @ 15 °C	ASTM D 4052	0.855	0.866	0.872	0.876	0.881
Flash Point, °C	ASTM D 92	170	198	210	224	226
Pour Point, °C	ASTM D 97	-18	-18	-15	-12	-12
Kinematic Viscosity @40°C (cSt)	ASTM D 445	15	22	32	46	68
@100°C (cSt)	ASTM D 445	3	4.2	5.4	6.8	8.8
Viscosity Index	ASTM D 2270	72	82	100	100	98
Color	ASTM D 1500	<0.5	<0.5	<0.5	<0.5	<0.5

TEST DESCRIPTION	METHOD	TYPICAL RESULTS				
		100	150	220	320	460
ISO Viscosity Grade		100	150	220	320	460
Specific Gravity @ 15 °C	ASTM D 4052	0.888	0.891	0.895	0.898	0.905
Flash Point, °C	ASTM D 92	235	242	249	255	260
Pour Point, °C	ASTM D 97	-9	-9	-6	-6	-6
Kinematic Viscosity @40°C (cSt)	ASTM D 445	100	150	220	320	460
@100°C (cSt)	ASTM D 445	11.2	14.8	19.2	24.6	31.0
Viscosity Index	ASTM D 2270	96	95	95	95	95
Color	ASTM D 1500	<0.5	<1.0	2.0	<2.5	2.5