



Multilec® Industrial Oil

	6801	6802	6803	6804	6805	6806	6807
Color	Red	Red	Red	Red	Red	Red	Red
ISO VG / SAE Grade	32 / –	46 / –	68 / 20	100 / 30	150 / 40	220 / 50	320 / 60
AGMA Grade	–	1	2	3	4	5	6
Relative Density ASTM D1298	32.0	31.7	31.2	30.1	29.7	29.6	28.8
Viscosity @ 100°C, cSt, ASTM D445	5.49	6.79	8.57	11.27	14.83	18.90	24.99
Viscosity @ 40°C, cSt, ASTM D445	32.35	45.19	64.66	98.59	150.1	217.2	335.2
Viscosity Index ASTM D2270	95	95	95	95	95	95	95
Flash Point °C (°F), (COC), ASTM D92	210 (410)	224 (435)	218 (425)	224 (435)	224 (435)	218 (425)	216 (420)
Pour Point °C (°F), ASTM D97	-33 (-27)	-36 (-33)	-30 (-22)	-27 (-17)	-24 (-11)	-24 (-11)	-21 (-6)
Rust Test 4 hrs @ 60°C, Sea H₂O, ASTM D665B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion 3 hrs @ 100°C, ASTM D130	1b	1b	1b	1b	1b	1b	1b
Oxidation by RPVOT @ 150°C, minutes, ASTM D2272	1,300	1,300	1,300	1,300	1,300	1,300	1,300
Universal Oxidation Test 121°C, 10 L/hr, extrapolated hours to acid number = 2.0, ASTM D5846	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000
Four-Ball Wear @ 75°C, 1,200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Emulsion Characteristics @ 54°C, oil-water-emulsion/minutes, ASTM D1401	40-40-0/10	40-40-0/10	40-40-0/10				
Emulsion Characteristics @ 82°C, oil-water-emulsion/minutes, ASTM D1401				40-40-0/10	40-40-0/10	40-40-0/10	40-40-0/10
Dielectric Strength kV minimum, ASTM D877	35	35	35	35	35	35	35
Scuffing Load Capacity (FZG visual method), Load Stage Pass, ASTM D5182						10	10

Performance Requirements Met or Exceeded

- AGMA 9005-E02
- Cincinnati-Machine
 - P-68 6801
 - P-70 6802
- Denison
- Eaton-Vickers
 - Industrial
 - Mobile
- USDA H2
- US Steel 126