

# AEON 5000

## TECHNICAL DATA SHEET

### PHYSICAL PROPERTIES

<i>Characteristic</i>	<i>Method Reference</i>	<i>Typicals</i>
Density, kg/L @ 15°C	ASTM D4052	0.8969
Gravity API	ASTM D4052	26.0
Color	ASTM D1500	0.5
Flash Point, COC, °C	ASTM D0092	236
Fire Point, COC, °C	ASTM D0092	266
Pour Point, °C	ASTM D0097	-18
Kinematics Viscosity cSt @ 40°C	ASTM D0445	67
Kinematics Viscosity cSt @ 100°C	ASTM D0445	8.3
Viscosity Index	ASTM D2270	91
Mechanical Emulsion, 54°C, mL water, (min)	ASTM D1401	42-38-0 (15)
Conradson Carbon Residue %	ASTM D0189	0.012
Elemental Analysis by XRF, %P	PCM438	0.046
Total Acid Number, mg OH/g	ASTM D0664	0.02
Copper Corrosion, 3h, 100°C	ASTM D0130	1b
Rust, Procedure A, 24 h	ASTM D0665	Pass
Rotary Bomb Oxidation, minutes	ASTM D2272	1090
Oxidation Stability, 24h, 200°C	IP048	
% Vis. Increase @ 40°C	IP048	12
TAN	IP048	0.18
Evaporative Loss, % Mass, (250°C, 1 h)	DIN51581	5.7
Four-Ball Wear, scar diam. mm (1 h at 40 kg, 54.4°C, 1800 rpm)	ASTM D4172	0.44
Four-Ball Wear, scar diam. mm (1 h at 40 kg, 75°C, 1200 rpm)	ASTM D4172	0.37