

RotorLub[®] 4000

TECHNICAL DATA SHEET

TYPICAL PROPERTIES

<i>Characteristic</i>	<i>Method Reference</i>	<i>Typicals</i>
Density, kg/L @ 15°C	ASTM D4052	0.8656
Gravity API	ASTM D4052	32.1
Color	LORM03	Green
Flash Point, COC, °C	ASTM D0092	246
Fire Point, COC, °C	ASTM D0092	258
Pour Point, °C	ASTM D0097	-33
Kinematics Viscosity cSt @ 40°C	ASTM D0445	46.6
Kinematics Viscosity cSt @ 100°C	ASTM D0445	7.0
Saybolt Universal Viscosity at 100°F	ASTM D2161	217
Saybolt Universal Viscosity at 210°F	ASTM D2161	48.9
Viscosity Index	ASTM D2270	107
Mechanical Emulsion, 54°C, mL water, (min)	ASTM D1401	41-39-0 (5)
Elemental Analysis by XRF, %Ca	PCM438	<0.002
Elemental Analysis by XRF, %Ba	PCM438	<0.002
Elemental Analysis by XRF, %Zn	PCM438	<0.002
Foaming Characteristics, mL, Sequence 1	ASTM D0892	0/0
Foaming Characteristics, mL, Sequence 2	ASTM D0892	15/0
Foaming Characteristics, mL, Sequence 3	ASTM D0892	0/0
Air Release @ 50°C, minutes	ASTM D3427	<10
Ramsbottom Carbon Residue, Mass%	ASTM D0524	0.06
Sulfur, Mass%	PCM438	0.14
Elemental Analysis by XRF, %P	PCM438	0.032
Total Acid Number, mg OH/g	ASTM D0664	0.06
Copper Corrosion, 3h, 100°C	ASTM D0130	1a
Rust, Procedure A, 24 h	ASTM D0665	Pass
Oxidation Stability, 24h, 200°C	IP048	
% Vis. Increase @ 40°C	IP048	17
TAN	IP048	0.36
Evaporative Loss, % Mass, (250°C, 1 h)	DIN51581	9.1
Four-Ball Wear, scar diam. mm (1 h at 40 kg, 75°C, 1200 rpm)	ASTM D4172	0.42