



<i>Property</i>	<i>ASTM Method</i>	<i>ASTM D975 Specifications</i>	<i>EMA Guidelines FQP-1A</i>	<i>NCWM Premium Diesel Definition</i>
<b>Flash Point</b>	D93	± 52...C [± 125.6...F]	± 52...C [± 125.6...F]	-
<b>Water &amp; Sediment</b>	D2709	† 0.05% vol.	† 0.05% vol.	-
<b>Distillation</b>	D86	† 338...C [640.4...F]	† 332...C [†629.6...F]	-
<b>90% vol. recovered temp.</b>		-	† 355...C [†671...F]	-
<b>95% vol. recovered temp.</b>		-	-	-
<b>Kinematic Viscosity @ 40...C</b>	D445	1.9 — 4.1 cSt	1.9 — 4.1 cSt	-
<b>Ash</b>	D482	† 0.01% mass	† 0.01% mass	-
<b>Sulfur</b>	D2662, D4294	† 0.05 % mass	† 0.05 % mass	-
<b>Copper strip corrosion rating</b>	D130	† 3	† 3b	-
<b>Cetane Number</b>	D613	± 40	± 50	± 47
<b>OR - Calculated Cetane Index</b> [ <i>may be used in lieu of cetane number</i> ]	D4737	± 40	± 45	-
<b>Aromatics</b>	D1319	† 35 % vol.	-	-
<b>Low Temperature Operability by Cloud Point or LTFT</b>	D2500 D5733 D4539	Must meet ASTM D975 10 <sup>th</sup> percentile minimum ambient air temperature	Seasonal — must pass at use temperature	Seasonal — must pass at use temperature
<b>Ramsbottom Carbon Residue on 10% Bottoms</b>	D524	† 0.35% mass	† 0.15% mass	-
<b>API Gravity</b>	D4052 D 287	-	39.0	-
<b>Energy Content</b>	D240	-	-	± 138,700 BTU/gallon
<b>Detergency, L10-IDT Rating</b>	Cummins	-	†10.0 Rating	†10.0 Rating
		-	† 6.0% Flow Loss	† 6.0% Flow Loss
<b>Oxidation Stability</b>	D2274	-	† 15 mg/L	-
<b>Accelerated Stability</b>	D6468 Octel F21-61	-	-	± 80% reflectance
<b>Lubricity - SLBOCLE</b>	D6078	-	± 3100 g	± 3100 g
<b>Lubricity -HFRR</b>	D6079	-	† 450 microns	† 450 microns

†520 microns [CARB]