



Customers Rule.™

CASTLE OIL CORPORATION
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Product Specifications Winterized Ultra Low Sulfur Diesel*

<u>SPECIFICATION</u>	<u>METHOD</u>	<u>MIN</u>	<u>MAX</u>	<u>TYPICAL</u>
Gravity, API	D287	30		35
Flash Point, ° F	D93	130		140
Kinematic Viscosity, mm ² /S @ 40° F	D445	1.9	3.4	2.5
Sulfur, PPM	D5453		15	10
Color ASTM	D1500		2.5	1.5
Cetane Number or Index	D613/D4737	40		46
BS&W, % vol.	D2709		<.05	Nil
Operability Cold Properties:				
Pour Point, ° F	D5950		0*	-5
Cloud Point, ° F	D5771		+15*	+13
CFPP, ° F	D6371		-3*	-6
Ash, % mass	D482		0.01	Nil
Copper Strip Corrosion rating (3 Hrs at 50 °C)	D130		1	1A
Distillation Temperature, ° C 90% vol.				
Recovered	D86	282	338	320
End Point, ° C			366	350
Ramsbottom Carbon Residue, on 10% dist. Residue, % mass	D524		0.35	0.25
Lubricity, HFRR @60 °C, micron	D6079		520	<520

*For the period November 1st through March 14th. For the period March 15th through October 31st the Pour and Cloud Point maximum will respectively be +10 and +20 ° F with no CFPP guarantee.