



CHEYENNE REFINERY  
 P O BOX 1588  
 CHEYENNE, WYOMING 82003  
 PRODUCT SPECIFICATIONS

PRODUCT NAME: Ultra Low Sulfur Diesel Fuel (ULSD) Clear and Red Dyed  
 Premium ULSD – QC2 (ULDP) Clear and Red Dyed

ASTM PROPERTY	ASTM TEST METHOD	SPECIFICATION	
		MIN.	MAX.
Appearance @ 70°F	Visual	Bright/Clear	
Gravity, Degrees A.P.I.	D 287	30	
Colonial Haze	Visual		3
Distillation (760 mm Hg)	D 86		
90%		540	640
Flash Point, Deg F, PM	D 93	130	
Color, ASTM	D 1500		2
Corrosion, CST, 3 hrs @ 122 °F	D 130		1
Sulfur, ppm	D 5453		15
Ash, wt %	D 482		0.01
Carbon Ramsbottom,			
10% Bottom, %	D 524		0.35
Pour Point, Deg. F.	D 97		
Summer: March 1 - August 31			Report
Winter: Sept. 1- February 28		-15	
Cloud Point, Degrees F.	D 2500, 3117, or 5773		
Summer: April 1 - August 31		16	
Winter: Sept. 1 - February 28			6
* March (transitional period)		10	
Premium Diesel QC2			
Cold Filter Plug Point (CFPP)			
Winter Only Cheyenne, Dupont & Fountain			
Sidney & Rapid City			-25
Water & Sediment, vol %	D 1796		0.05
Viscosity, @ 100 ° F. CST	D 445	1.9	4.1
Cetane Index - Cheyenne	D 976	40	
Cetane Index – Calculated for			
Kaneb Pipeline at Rapid City,			
Dupont and Fountain	D 976	40	
Thermal Stability, 90 minutes			4
300 f DuPont Scale			
Lubricity, Wear Scar Diameter (microns)	D 6079		520
Conductivity at ambient temperatures (pS/m)	D 2624	50	

This product, when dyed red, may be sold for non-taxable use only - penalty for taxable use.

SPECIFICATIONS
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Meets Specification: EPA 40 CFR 80.29

Effective: December 15, 2009