Specifications

Fungible 15 ppm Sulfur Diesel Fuel Non-Road Grade 66

PRODUCT PROPERTY	ASTM Test Method	Test Results Minimum	Maximum		Note
Gravity API	D287, D1298, D4052	30			
Flash Point, °F					
Pensky-Martin	D93	130			
Physical Distillation, °C(°F)	D86				5
50%			Report		
90%		282(540)	338(640)		
End Point			366(690)		
or Simulated Distillation, °C(°F)	D2887				5
50% recovered			Report		
90% recovered		300(572)	356(673)		
End Point			421(790)		
Color ASTM	D1500,D6045		2.5		
Color Visual		Undyed			
Viscosity, cSt @ 40°C (104°F)	D445	1.9	3.4		
Pour Point	D97, D5949, D5950, D5985				2
Cloud Point	D2500, D5771, D5772, D5773				2
Corrosion, 3 hrs. @ 50°C (122°F)	D130		1		
Total Sulfur, ppmwt	D2622, D5453				
	D7039, other		10	Origin	3
			14	Delivery	
Cetane Number	D613, D6890, D7170	40			4
Aromatics (Volume %)	D1319		31.7		
or Aromatics by Cetane Index	D976	40			
Ash, wt.%	D482		0.01		
Carbon Residue: Ramsbottom					
on 10% Bottom	D524		0.35		
BS&W, vol.%	D2709				
	or equivalent		< 0.05		
Thermal stability, 90 minutes					
150°CPad rating, DuPont scale			7		
OR					
Thermal stability	D6468				
Y/Green		73%			
W Unit		65%			
OR					
Oxidation stability, mg/100 ml	D2274		2.5		
Haze rating @ 25°C (77°F)	D4176				
	Procedure 2		2		
*Nace Corrosion	TM0172	B+ (Origin)			
Electrical Conductivity, pS/m @ 21°C(70°F)	D2624		250		

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Notes:

This schedule denotes the fluidity of the distillate at the time and place of origin.

Pour Point –August 1st through March 14th	Maximum: -18°C (0°F).
Pour Point – March 15th through July 31st	Maximum: -12°C (+10°F)
Cloud Point – August 1st through March 14th	Maximum: -9°C (+15°F)
Cloud Point – March 15th through July 31st	Maximum: -7°C (+20°F)

The referee method will be Pour point D97 and Cloud point D2500

Origin laboratory certifying sulfur content must qualify the test method used per EPA

The referee test method will be ASTM D5453.

Either physical or simulated distillation can be used. The referee test method will be ASTM D 86.

ASTM color measurement before addition of dye

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