NVFEL Fuel Analysis Report 23729

Cert Diesel 2013 Batch#

Facility Name: Haltermann Facility Type: Wholesale P-C

2565 Plymouth Rd.

Ann Arbor MI 48105 USA

Inspector: Nancy Tschirhart Inspection Date : 9/9/2013

Samples Type: Test Fuel VOC

Inspection information logged in by RG on 9/24/2013. **Season:**

Cert Diesel 2013-9-24-13 **FTAG: 23729** **Comments:**

Test Code	Test Method	Results	Units	Fuel_ Code: 14	Analyst	Analysis Date
430	Sulfur in Diesel by D5453	10.10	Parts Per Million		NS	9/24/2013
65	Percent Evaporated at 200 Degrees F D86	0.0	Volume Percent		RG	9/24/2013
66	Percent Evaporated at 300 Degrees F D86	0.0	Volume Percent		RG	9/24/2013
49	Olefins in by FIA D1319	2.2	Volume Percent		RCG	9/24/2013
49	Olefins in by FIA D1319	2.7	Volume Percent		RCG	9/24/2013
46	Aromatics by FIA D1319	27.9	Volume Percent		RCG	9/24/2013
46	Aromatics by FIA D1319	28.4	Volume Percent		RCG	9/24/2013
69	Specific Gravity @ 60 deg F D4052	0.85145	60/60F		RG	9/24/2013
69	Specific Gravity @ 60 deg F D4052	0.85145	60/60F		RG	9/24/2013
692	Degrees API D4052	34.69	Degrees API		RG	9/24/2013
692	Degrees API D4052	34.69	Degrees API		RG	9/24/2013
691	Density @ 60 deg F D4052	0.85061	g/cm-03 @ 60 deg F		RG	9/24/2013
691	Density @ 60 deg F D4052	0.85061	g/cm-03 @ 60 deg F		RG	9/24/2013
44	Cetane Index D976	46.30	Cetane Index		RCG	9/24/2013
102	IBP Diesel D86	361.6	Degrees F		RG	9/24/2013
111	10 percent Diesel D86	421.5	Degrees F		RG	9/24/2013
151	50 percent Diesel D86	508.6	Degrees F		RG	9/24/2013
191	90 percent Diesel D86	623.7	Degrees F		RG	9/24/2013
210	End Point Diesel D86	668.1	Degrees F		RG	9/24/2013
211	Residue Diesel D86	0.8	mL		RG	9/24/2013
212	Total Recovery Diesel D86	97.7	mL		RG	9/24/2013
213	Loss Diesel D86	1.5	mL		RG	9/24/2013
47	Aromatics in Diesel Fuel SFC D5186	28.2	Mass Percent		LS	9/25/2013
47	Aromatics in Diesel Fuel SFC D5186	28.3	Mass Percent		LS	9/25/2013
422	Sulfur in LS Diesel D2622	0.00108	Weight Percent		NST	10/24/2013
32	Weight Fraction Carbon D3343	0.86819	Weight Fraction		CPU	
222	Flash Point D93	157.0	Degrees F		Paragon	10/4/2013
223	Kinematic Viscosity @ 100 Degrees F D445	2.73	Centistokes		Paragon	9/26/2013
73	Net Heat of Combustion D3338	18447.90	BTU per Pound		CPU	
45	Cetane Number D613	43.0	Cetane Number		Paragon	9/28/2013