

NVFEL Fuel Analysis Report

25842

Tier 2 gasoline

Batch#

Facility Name: US EPA NVFEL Testing Fuel Group Facility Type: In House

Owner: USEPA Phone: (734) 214-4881

2565 Plymouth Road

Ann Arbor MI 48105-2425 Washtenaw County

US

Inspector: Nancy Tschirhart Inspection Date : 10/23/2013

Time In: 00:00 Time Out: 00:00

Samples Type: Test Fuel

VOC

Inspection information logged in by NST on 7/6/2016.

Season:

Tier 2 gasoline-27N 7-6 FTAG: 25842 Comments: sent out for octanes

Test Code	Test Method	Results	Units	Fuel_ Code:	3	Analyst	Analysis Date
5808	Weight Percent Oxygenates by D5599	0.00	Weight Percent			HS	7/14/2016
552	MTBE by D5599	0.00	Oxygen Percent			HS	7/14/2016
562	ETBE by D5599	0.00	Oxygen Percent			HS	7/14/2016
534	Ethanol by D5599	0.00	Oxygen Percent			HS	7/14/2016
572	TAME by D5599	0.00	Oxygen Percent			HS	7/14/2016
421	Sulfur in Gasoline D2622	36.2	Parts Per Million			NST	8/2/2016
62	Vapor Pressure by D5191 (Modified)	9.11	PS I			NST	7/7/2016
65	Percent Evaporated at 200 Degrees F D86	41.9	Volume Percent			RG	7/26/2016
65	Percent Evaporated at 200 Degrees F D86	41.8	Volume Percent			RG	7/26/2016
66	Percent Evaporated at 300 Degrees F D86	88.3	Volume Percent			RG	7/26/2016
66	Percent Evaporated at 300 Degrees F D86	88.3	Volume Percent			RG	7/26/2016
48	Aromatics in Gasoline MSD D5769	32.19	Volume Percent			TW	7/13/2016
48	Aromatics in Gasoline MSD D5769	31.99	Volume Percent			TW	7/13/2016
49	Olefins in by FIA D1319	0.8	Volume Percent			RCG	7/11/2016
64	Benzene in Gasoline D3606	0.02	Volume Percent			TW	7/12/2016
532	Ethanol by D5599	0.00	Volume Percent			HS	7/14/2016
57	TAME by D5599	0.00	Volume Percent			HS	7/14/2016
59	Weight Percent Oxygen by D5599	0.00	Weight Percent			HS	7/14/2016
593	Volume Percent Oxygenates by D5599	0.00	Volume Percent			HS	7/14/2016
55	MTBE by D5599	0.00	Volume Percent			HS	7/14/2016
56	ETBE by D5599	0.00	Volume Percent			HS	7/14/2016
630	Toluene in gasoline by MSD D5769	19.74	Volume Percent			TW	7/13/2016
63	Benzene in Gasoline by GC/MSD D5769	0.04	Volume Percent			TW	7/13/2016
63	Benzene in Gasoline by GC/MSD D5769	0.04	Volume Percent			TW	7/13/2016
630	Toluene in gasoline by MSD D5769	19.62	Volume Percent			TW	7/13/2016
46	Aromatics by FIA D1319	30.5	Volume Percent			RCG	7/11/2016
69	Specific Gravity @ 60 deg F D4052	0.74301	60/60F			NT	7/7/2016
692	Degrees API D4052	58.94	Degrees API			NT	7/7/2016
691	Density @ 60 deg F D4052	0.74227	g/cm-03 @ 60 deg F			NT	7/7/2016
101	Initial Boiling Point D86	88.7	Degrees F			RG	7/26/2016

101	Initial Boiling Point	D86	89.4 Degrees F	RG	7/26/2016
110	10 Percent	D86	123.8 Degrees F	RG	7/26/2016
110	10 Percent	D86	124.0 Degrees F	RG	7/26/2016
150	50 Percent	D86	219.0 Degrees F	RG	7/26/2016
150	50 Percent	D86	219.2 Degrees F	RG	7/26/2016
190	90 Percent	D86	313.7 Degrees F	RG	7/26/2016
190	90 Percent	D86	312.6 Degrees F	RG	7/26/2016
200	End Point	D86	407.1 Degrees F	RG	7/26/2016
200	End Point	D86	403.9 Degrees F	RG	7/26/2016
201	Residue	D86	1.1 mL	RG	7/26/2016
201	Residue	D86	1.1 mL	RG	7/26/2016
202	Total Recovery	D86	97.5 mL	RG	7/26/2016
202	Total Recovery	D86	97.6 mL	RG	7/26/2016
203	Loss	D86	1.4 mL	RG	7/26/2016
203	Loss	D86	1.3 mL	RG	7/26/2016
543	Methanol by D5599		0.00 Volume Percent	HS	7/14/2016
584	Isopropanol by D5599		0.00 Volume Percent	HS	7/14/2016
585	t-Butanol by D5599		0.00 Volume Percent	HS	7/14/2016
586	n-Propanol by D5599		0.00 Volume Percent	HS	7/14/2016
587	sec-Butanol by D5599		0.00 Volume Percent	HS	7/14/2016
588	DIPE by D5599		0.00 Volume Percent	HS	7/14/2016
589	Isobutanol by D5599		0.00 Volume Percent	HS	7/14/2016
5801	t-Amyl Alcohol by D5599		0.00 Volume Percent	HS	7/14/2016
5802	n-Butanol by D5599		0.00 Volume Percent	HS	7/14/2016
30	Lead in Gasoline by D3237		0.001 Grm Pb per Gallon	Paragon	7/16/2016
32	Weight Fraction Carbon D3343		0.86650 Weight Fraction	HS	
991	Phosphorus in Gasoline by D3231		0.0002 Grams per Gallon	Paragon	7/18/2016
221	Motor Octane		88.5 Motor Octane Number	Paragon	7/22/2016
220	Research Octane		96.1 Research Octane Number	Paragon	7/22/2016
219	Antiknock		92.30 (RON+MON)/2	CPU	7/22/2016
218	Sensitivity		7.6 RON-MON	CPU	7/22/2016
230	Net Heating Value D240		18443.00 BTU/lb	HS	8/4/2016

SUGGESTED CITATION: 2016 Honda 1.5L L15B7 Engine Tier 2 Fuel – Test Data Package. Version 2018-04. Ann Arbor,

MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2018.