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Diesel Cetane Check Fuel - High

ASTM SUBCOMMITTEE DO2.01
DIESEL NATIONAL EXCHANGE GROUP
CALIBRATION OF LOT 8CPCFH01 CETANE NO. 52.45

	<u>Number</u>	<u>Average</u>	<u>Standard Deviation</u>	<u>Method</u>
Cetane Number	24	52.45	1.44	ASTM D-613
Derived Cetane Number (DCN)	27	49.38	1.08	D-6890, IP498, EN15195
<u>Inspection Tests</u>				
API gravity	22	38.30	0.09	ASTM D-287 & 4052
Viscosity, 40°C, cSt	21	2.44	0.0375	ASTM D-445
Flash Point, PMCC, °F	20	156.7	4.5	ASTM D-93
Aniline Point, °C	9	66.92	0.968	ASTM D-611
Sulfur, wt%	17	0.0007	0.00008	ASTM D-2622, 4294, 5453
<u>Hydrocarbon type, %</u>				
Saturates	16	75.03	1.66	ASTM D-1319
Olefins	16	2.83	1.42	
Aromatics	15	22.52	1.32	
<u>Distillation, °F, % recovered</u>				
IBP	20	360.6	3.7	ASTM D-86
10%	20	420.4	4.0	
50%	19	494.3	1.8	
90%	20	585.4	4.0	
End	20	650.0	8.8	
Recovery	20	97.88	0.64	
Residue	20	1.41	0.44	
Loss	20	0.81	0.50	

NOTES:

1. Calibration completed as the May 2008 sample in the Diesel NEG program.
2. Lot 8CPCFH01 High Cetane Check Fuel supplied to Diesel NEG members.
3. Derived Cetane Number (DCN) based on EI, CUNA & NEG results using the equivalent methods D6890, IP498, and EN15195.

Product Number: 1024267

Revised: 03/20/13

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