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## Diesel Cetane Check Fuel - High

ASTM SUBCOMMITTEE D02.01  
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
<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	<u>ASTM D-1319</u>
Olefins	16	2.83	1.42	
Aromatics	15	22.52	1.32	
<u>Distillation, °F, % recovered</u>				
IBP	20	360.6	3.7	<u>ASTM D-86</u>
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 July 2008 sample in the Diesel NEG program.
2. Lot 8CPCFH01 High Cetane Check Fuel supplied to Diesel NEG members.

The Diesel National Exchange Group has performed calibration of these fuels with participation by 16 laboratories. The Cetane Method (D-613) ratings of each of the two fuels and the incremental blends, as supplied by Chevron Phillips, were performed using Primary Reference Fuels normal Cetane and Heptamethylnonane.

Product Number: 1024267

Revised: 07/23/11

Notice: Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.