ASTM D975 Fuel Limits for Ford 6.7L

Measurement	Units	ASTM Test Method	Spec
Distillation		D86	
Initial Boiling Point	*°C*		report
5% volume	*°C*		report
10% Volume	*°C*		report
20% volume	*°C*		report
30% volume	*°C*		report
40% volume	*°C*		report
50% Volume	*°C*		report
60% volume	*°C*		report
70% volume	*°C*		report
80% volume	*°C*		report
90% volume	*°C*		282-338
95% volume	*°C*		report
end boiling point	*°C*		report
loss	*ml*		report
residue	*ml*		report
API Gravity	*ºAPI*	D4052	30.0-45.0
Cetane Index	*unitless*	D4737	report
Cetane Number	*unitless*	D613	40-63
Specific Gravity		D4052	report
Ramsbottom Carbon Residue on 10% Distillation	*%*	D524	max 0.350
Net Heating Value	*MJ/kg*	D4809	report
Composition, aromatics	*mass %*	D5186	12- 43
Ash	*mass %*	D482	max 0.01
Flash Point	*ºC*	D93	min 52
Pour Point	*ºC*	D97	report
Cloud Point	*ºC*	D2500	report
Strong Acid Number	*mg KOH/g*	D974	report
Total Acid Number	*mg KOH/g*	D974	report
Accelerated Stability	*mg/100 mL*	D2274	report
Copper Corrosion	*classification*	D130	max 1

Measurement	Units	ASTM Test Method	Spec
Kinematic Viscosity	*cSt*	D445	1.9-3.2
Water and Sediment	*volume %*	D2709	max 0.05
Total Sulfur	*mg/kg*	D7039	max 15
Particulate matter	mg/L	D6217	report
hydrogen	wt %	D3343	report
carbon	wt %	D3343	report
Lubricity (HFRR)	µm	D6079	max 520
Bio fuel content	*%*	D7371	<1.0%

- Fuel is to be purchased as a Summer Blend. No waivers from ASTM D975 Table 1 for Winter Blends are allowed for fuel for this test
- For a test that does not use a batched fuel, such as PC-10, measure D445, D86, D4052, D613, D5186, D7371 and D7039 on the start of test sample and report values in the appropriate test forms

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