



Test Report: ASTM D975

FueLLIFT Summary of Catalyst Treated Diesel Fuel in Compliance with OEM Standards

Results from ASTM D975 Testing Conducted and Completed at Southwest Research Institute. (SwRI)

ASTM Number	Description	Detroit Diesel Standards			Cummins Diesel Fuel Property Requirements			Caterpillar Specifications For Distillate Diesel Fuel		
		Minimum	Maximum	FueLLIFT Treated Diesel Meets Requirements	Minimum	Maximum	FueLLIFT Treated Diesel Meets Requirements	Minimum	Maximum	FueLLIFT Treated Diesel Meets Requirements
D287	Density	34	38	✓				30	45	✓
D1298	Gravity	0.81	0.86	✓						
D93	Flash Point	52		✓				Legal Limit		✓
D445	Viscosity	1.9	4.1	✓	1.3	4.1	✓	1.4		✓
D2622	Sulfur Content		500 ppm	✓		5,000 ppm	✓		1%	✓
D2500	Cloud Point	None	None	✓	C6		✓	None		✓
D4359	Filter Plug Point	None	None	✓						
D613	Cetane	45		✓	42		✓	40		✓
D 86	Distillation:									
	IBP typical	320		✓						
	10%	430		✓		540	✓	540		✓
	50%	510		✓						
	90%		625	✓		680	✓	680		✓
	95%		671	✓						
	Rec Vol	98		✓						
D2709	Water		0.02	✓		0.01	✓			
D5452	Sediment		10	✓						
D482	Ash		0.01	✓		0.02	✓	0.02%		✓
D524	Carbon Residue		0.35	✓		0.35	✓	0.35		✓
D130	Copper Corrosion		3a	✓		3a	✓	3		✓
D2274	Storage Stability		15	✓						
D6468	Temp. Stability	70		✓				80%		✓
D4868	Heat Content	128,500	131,500	✓						
D6078	Lubricity	3,100		✓	3,100		✓			
D6079	Lubricity		460	✓						
D 4052	Density				0.816	0.876	✓			
D 1319	Aromatics							35%		✓
D 97	Pour Point							6° C		✓
D1796	Water & Sediment							0.1		✓
D1744	Water							0.1		*
D473	Sediment							0.05		*

Note:

* ASTM D1976 tests for both Water and Sediment were combined. Results revealed that Water and Sediment amounts decreased with FueLLIFT Organic Diesel Catalyst.

Independent Labs Conclude: FueLLIFT has been proven not to change the properties of diesel fuel oils when tested by the Southwest Research Institute with their independent lab tests and is safe for use in any diesel engine.