



Centron Test Results to SAB SANS 342:2006, ASTM D975 & OEM Diesel Fuel Specifications (Feb 2013)

Tested with 500ppm diesel fuel

Property	SANS 342:2006	ASTM D975 Grade No. 2-D 500ppm	OEM Requirement (Caterpillar)	Centron 2013 SABS Test Results	Compliance with ASTM D975, SANS 342 & OEM
Flash Point "ASTM D93" C	55 Min	52 Min	55 Min	79	Pass
Cetane Number "ASTM D613"	45 Min	40 Min	40 Min	60.6	Pass
Lubricity "ISO12156" HFRR	460 Max	520 Max	460 Max	237	Pass
Sulfur Content "XRF"	500 Max	500 Max	500 Max	413	Pass
Copper Strip Corrosion "IP154"	1 Max	3 Max	3 Max	1	Pass
Cold Filter Plugging Point "IP309"	3 Max	N/A	6C below ambient	-5	Pass
Carbon Residue "D524" "ISO 4262"	0.2 Max	0.35 MAX	0.2 Max	0.1	Pass
Ash "D482" "ISO 6245"	0.01% Max	0.01% Max	0.2 Max	0.005%	Pass
Water Content "ASTMD 4377"	0.05% Max	0.05% Max	0.1% Max	<0.01%	Pass
Viscosity "IP71"	2.2 to 5.3	1.9 to 4.1	1.4 to 20 Max	3.331	Pass
Density at 20C "IP365"	0.8000 Min	N/A	N/A	0.8218	Pass
Distillation "ASTM D86 ISO 3405"	362 Max	300 - 358	362 Max	358	Pass
Total Contamination mg/kg "IP440"	24 Max	N/A	N/A	0.1	Pass
Oxidation Stability mg/100ml "D2274"	2.0 Max	N/A	N/A	0.001	Pass