

BTS West
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Cust Code BIO-EQUIP
 Attention Of Robert Reynolds
 Company BioEquipment, Inc.
 End User

Taken 10/22/2007	Received 10/24/2007	Unit ID	BIOE-20071023
Tested 10/26/2007	Reported 10/26/2007	Test Pkg	6751
		Fuel Type	Biodiesel Fuel

Unit ID	BIOE-20071023	Batch Number	6690
Date Sampled	10/22/2007	Sample Number	2031

Test Name	Test Method	Limit	Result	Status
Free Glycerin (mass %)	ASTM D 6584	MAX 0.020	0.012	PASS
Monoglycerides (mass %)	ASTM D 6584	N/A	0.124	N/A
Diglycerides (mass %)	ASTM D 6584	N/A	0.004	N/A
Triglycerides (mass %)	ASTM D 6584	N/A	0.000	N/A
Total Glycerin (mass %)	ASTM D 6584	MAX 0.240	0.139	PASS
Flash Point, Closed Cup (°C)	ASTM D 93	MIN 130	186	PASS
Methanol Content (wt %)	EN 14110	MAX 0.20		
Phosphorous (ppm)	ASTM D 4951	MAX 10	0	PASS
Calcium + Magnesium (ppm)	EN 14538	MAX 5	CA-0+MG-0=0	PASS
Sodium + Potassium (ppm)	EN 14538	MAX 5	NA-0+K-0=0	PASS
Water & Sediment (vol %)	ASTM D 2709	MAX 0.050	0	PASS
KF Water (ppm)	ASTM D 6304	N/A		
Sulfur, by UV (ppm)	ASTM D 5453	MAX 15	4	PASS
Sulfur, by XRF (ppm)	ASTM D 4294	MAX 15		
TAN (mg KOH/g)	ASTM D 664	MAX 0.50	0.48	PASS
Viscosity @ 40° C (cSt)	ASTM D 445	1.9 - 6.0	3.93	PASS
Oxidation Stability by Rancimat (hours)	EN 14112	MIN 3.00	1.9	FAIL
Dist. Temp, 90% Recovery (°C)	ASTM D 1160	MAX 360	360	PASS
Cetane Number	ASTM D 613	MIN 47	49	PASS
API Gravity @ 15.6 °C (°API)	ASTM D 1298	N/A		
Cloud Point (°C)	ASTM D 2500	N/A	2	N/A
Pour Point (°C)	ASTM D 97	N/A	-7	N/A
CSFA Total Particulate Count (mg/L)	ASTM D 6217b	N/A		
CSFA Total Filtration Time (sec)	ASTM D 6217b	N/A		
Sulfated Ash (wt %)	ASTM D 874	MAX 0.020	<0.005	PASS
Carbon Residue (wt %)	ASTM D 4530	MAX 0.050	< 0.05	PASS
Copper Corrosion (rating)	ASTM D 130	MAX 3A	1a	PASS
Blend Verification, FAME (% Bio)	N/A	N/A		

CERTIFICATE OF ANALYSIS
Analysis Meets Testing Requirements of ASTM D 6751.