

Randy Fulton
Sr. Nuclear Specialist

440-604-9815

August 29, 2014

Christopher Walker
Fuel Ox, LLC
1328 Hwy A1A
Satellite Beach, FL 32937Phone: 321-622-6320
Fax: 321-622-5760

Dear Christopher Walker,

BETA Lab received 2 sample(s) on 8/28/2014 for the analyses presented in the following report.

There were no problems associated with the analytical testing of these samples by ASTM D975, Standard Specification of Diesel Fuel Oils.

Sample AJ15710 was identified as "fuel without additive", and sample AJ15711 was identified as "fuel plus FA 6048 [Fuel Ox] additive in a 1:10,000 volume ratio. These samples tested as identical, within the analytical variation(s) of the individual test procedures.

Note that the sample results reported relate only the samples as received at the laboratory.

If you have any questions pertaining to the test results, please contact me.

Regards,



Randy Fulton



TEST REPORT

BETA Laboratory

ISO 9001 Registered
6670 Beta Drive
Mayfield Village, OH 44143
phone: 1-800-470-BETA

Fuel Ox LLC
1328 Hwy A1A
Satellite Beach, FL 32937
Attn: Chris Walker

BETA LSN:AJ15710 Sample ID: Fuel with no additive added

Sample Date/Time: 08/28/2014 @ 00:00

Received Date: 08/28/2014

ANALYSIS	RESULT	UNITS	MDL	ANALYST	DATE
D1298					
API Gravity (as measured)	37.2			BELVISOM	08/29/2014
API Gravity at 60F	36.55			BELVISOM	08/29/2014
Specific Gravity - 60F	0.8420	SG@60F	0.0001	BELVISOM	08/29/2014
O130					
Copper Strip Corrosion	1A			BELVISOM	08/29/2014
D1796					
Water and Sediment	BDL	%	0.05	BELVISOM	08/29/2014
O2500					
Cloud Point	6.0	F	-80	BELVISOM	08/29/2014
O2622					
Sulfur in Fuel Oil	BDL	%	0.001	BELVISOM	08/29/2014
O445					
Viscosity at 40C	2.49	mm ² /s		BELVISOM	08/29/2014
O482					
Ash in Fuel Oil	<0.001	%	0.001	BELVISOM	08/29/2014
O524					
Carbon Residue	0.091	%	0.058	BELVISOM	08/29/2014
D86					
Distillation 90%	610.0	F		BELVISOM	08/29/2014
Distillation at 10%	409.0	F		BELVISOM	08/29/2014
Final Boiling Point	658.0	F		BELVISOM	08/29/2014
Initial Boiling Point	348.0	F		BELVISOM	08/29/2014
O93					
Flash Point - PMCC	134.0	F	0	BELVISOM	08/29/2014
O976					
Cetane index	48.6			BELVISOM	08/29/2014

Notes: Fuel, No Additive

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ANALYSIS	RESULT	UNITS	MDL	ANALYST	DATE
01298					
API Gravity (as measured)	37.2			BELVISOM	08/29/2014
API Gravity at 60F	36.55			BELVISOM	08/29/2014
Specific Gravity - 60F	0.8420	SG@60F	0.0001	BELVISOM	08/29/2014
0130					
Copper Strip Corrosion	1A			BELVISOM	08/29/2014
01796					
Water and Sediment	BDL	%	0.05	BELVISOM	08/29/2014
02500					
Cloud Point	7.0	F	-80	BELVISOM	08/29/2014
02622					
Sulfur in Fuel Oil	BDL	%	0.001	BELVISOM	08/29/2014
D445					
Viscosity at 40C	2.48	mm2/s		BELVISOM	08/29/2014
0482					
Ash in Fuel Oil	<0.001	%	0.001	BELVISOM	08/29/2014
0524					
Carbon Residue	0.086	%	0.058	BELVISOM	08/29/2014
D86					
Distillation 90%	610.0	F		BELVISOM	08/29/2014
Distillation at 10%	409.0	F		BELVISOM	08/29/2014
Final Boiling Point	658.0	F		BELVISOM	08/29/2014
Initial Boiling Point	352.0	F		BELVISOM	08/29/2014
093					
Flash Point - PMCC	134.0	F	0	BELVISOM	08/29/2014
0976					
Cetane Index	48.6			BELVISOM	08/29/2014

Notes: Fuel plus FA 6048 (Fuel Ox) additive in a 1:10,000

volume ratio. "BDL" denotes below detection limit

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Material & Test Equipment

ANALYSIS	INSTRUMENT	BETA ID	CAL DATE	CAL DUE DATE	INITIALS
Water and Sediment	Centrifuge	BETA 604	9/27/2013	9/27/2014	MB
Ash, Weight %	Balance	BETA 2085	PTU	NA	NA
Carbon residue, %	Furnace	BETA 0842	1/31/2014	1/31/2015	DA
Sulfur, Weight %	Sulfur Analyzer	BETA 739	PTU	NA	NA
	Sulfur Analyzer	BETA 1205	PTU	NA	NA
Temperature	Thermometer	BETA1042	11/23/2013	11/23/2014	DA
	Thermometer	BETA1126	4/17/2014	4/17/2015	MED
	Thermometer	BETA1110	3/31/2014	3/31/2015	DA
Distillation Temperature, 90%	Dist App	BETA 587	1/10/2014	1/10/2015	DA
	RTD Sensor(s)	BETA 0759	1/14/2014	1/14/2015	DA
Flash Point	FP Analyzer	BETA1157	7/29/2014	7/29/2015	DA
	Sensor	BETA 1005	3/29/2014	3/29/2015	DA
Cloud / Pour Point	Auto Cloud/Pour	BETA1160	6/4/2014	6/4/2015	DA
Copper Strip Corrosion	ASTM Standards	BETA 2062 BETA 2063	NA	NA	NA
	Timer	BETA1143	5/13/2014	5/13/2015	NBH
viscosity	Viscometers	R33,R35,R37	3/29/2006	3/29/2016	NA
		7264, 7267	11/25/2013	11/25/2023	NA
Heat Content	Balance	BETA 2085	PTU	NA	NA
	Calorimeter	BETA 737	PTU	NA	NA
	Calorimeter	BETA 1044	PTU	NA	NA
CHN	CHN Analyzer	BETA 878	PTU	NA	NA
Specific Gravity	Hydrometer(s)	BETA 2057/245	PTU	NA	NA
Acid Number	Autotitrator	BETA1121	PTU	NA	NA
	Balance	BETA369	PTU	NA	NA
Water	K.F titrator	BETA084	PTU	NA	NA
	Balance	BETA083	PTU	NA	NA
Leco Carbon Sulfur	Carbon Analyzer	BETA1062	PTU	NA	NA
		BETA1061	PTU	NA	NA

PTU = Calibration checked prior to use

Reviewed By: _____



8/29/14

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