Low Sulfur Fuel
Units 12, 13, 14

Power Engineering and Construction

Environmental Affairs, Laboratory Services

5012 Causeway Blvd * Tampa Fl. 33619 * Ph (813) 630-7378 * Fax (813) 630-7360 * CompQAP #910140G * DOH #E54272

Report For: Jeff Smith, Progress Energy Florida Inc.
15760 W. Powerline St. CN77
Crystal River, FL. 34428
Phone: 352-563-4463
Also: roma.wolf@pgnmail.com

Report Date: 08/22/03

Laboratory ID:AA70887

Sample Information

Location Description:
#2 Oil, Inter. City GT, Tank 3, Progress Energy Inc.
SAMPLE DESCRIPTION: FO-9359
IC TANK #3

Sampled By: CUSTOMER
Date Sampled: 08/01/03
Date Received: 08/08/03

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Sulfur in Petroleum Products	0.04	%	0.01		0.05	
Gross Heat of Combustion, Oils, (HHV)	19574	BTU/Lb.	1			
Gross Heat of Combustion, Oils, (HHV)	138427	BTU/Gal.	1	137000		
Gross Heat of Combustion, Oils, (HHV)	5813934	BTU/Barrel	1			
Net Heat of Combustion, Oils, (LHV)	18379	BTU/Lb.	1			
Net Heat of Combustion, Oils, (LHV)	129976	BTU/Gal.	1			
Net Heat of Combustion, Oils, (LHV)	5458992	BTU/Barrel	1			
Pounds / Gallon @ 60 Deg. F	7.072	Lbs./Gal.	0.001		9.5	
Relative Density 60/60 Deg. F	0.8493		0.0001			
Density @ 15 C (59 F)	0.8489	kg/L	0.0001			
Carbon	87.2	%	0.1			
Hydrogen	13.1	%	0.1			
Nitrogen	0.1	%	0.1			
API Gravity @ 60 Deg. F	35.1	Degrees API	0.1			

Comments

Robert Dorey,
Manager, Environmental Services

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Crystal River, FL. 34428
Phone: 352-563-4463
Also: roma.wolf@pgnmail.com

Report Date: 08/22/03

Laboratory ID:AA70886

Sample Information

Location Description:
#2 Oil, Inter. City GT, Progress Energy Inc.
SAMPLE DESCRIPTION: FO-9358
IC TANK #2

Sampled By: CUSTOMER
Date Sampled: 08/01/03
Date Received: 08/08/03

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Sulfur in Petroleum Products	0.19	%	0.01		0.20	
Gross Heat of Combustion, Oils, (HHV)	19478	BTU/Lb.	1			
Gross Heat of Combustion, Oils, (HHV)	138411	BTU/Gal.	1	137000		
Gross Heat of Combustion, Oils, (HHV)	5813262	BTU/Barrel	1			
Net Heat of Combustion, Oils, (LHV)	18292	BTU/Lb.	1			
Net Heat of Combustion, Oils, (LHV)	129983	BTU/Gal.	1			
Net Heat of Combustion, Oils, (LHV)	5459286	BTU/Barrel	1			
Pounds / Gallon @ 60 Deg. F	7.106	Lbs./Gal.	0.001		9.5	
Relative Density 60/60 Deg. F	0.8534		0.0001			
Density @ 15 C (59 F)	0.8530	kg/L	0.0001			
Carbon	87.3	%	0.1			
Hydrogen	13.0	%	0.1			
Nitrogen	0.1	%	0.1			
API Gravity @ 60 Deg. F	34.3	Degrees API	0.1			

Comments

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Crystal River, FL. 34428
Phone: 352-563-4463
Also: roma.wolf@pgnmail.com

Report Date: 08/22/03

Laboratory ID:AA70885

Sample Information

Location Description:
#2 Oil, Inter. City GT, Progress Energy Inc.
SAMPLE DESCRIPTION: FO-9357
IC TANK #1

Sampled By: CUSTOMER
Date Sampled: 08/01/03
Date Received: 08/08/03

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Sulfur in Petroleum Products	0.17	%	0.01		0.20	
Gross Heat of Combustion, Oils, (HHV)	19469	BTU/Lb.	1			
Gross Heat of Combustion, Oils, (HHV)	138094	BTU/Gal.	1	137000		
Gross Heat of Combustion, Oils, (HHV)	5799948	BTU/Barrel	1			
Net Heat of Combustion, Oils, (LHV)	18283	BTU/Lb.	1			
Net Heat of Combustion, Oils, (LHV)	129681	BTU/Gal.	1			
Net Heat of Combustion, Oils, (LHV)	5446602	BTU/Barrel	1			
Pounds / Gallon @ 60 Deg. F	7.093	Lbs./Gal.	0.001		9.5	
Relative Density 60/60 Deg. F	0.8519		0.0001			
Density @ 15 C (59 F)	0.8514	kg/L	0.0001			
Carbon	87.3	%	0.1			
Hydrogen	13.0	%	0.1			
Nitrogen	0.1	%	0.1			
API Gravity @ 60 Deg. F	34.6	Degrees API	0.1			

Comments

Robert Dorey,
Manager, Environmental Services