

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

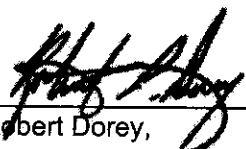
**Sampled By:** CUSTOMER

**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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**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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**Report Date:** 08/22/03

**Laboratory ID: AA70885**

### Sample Information

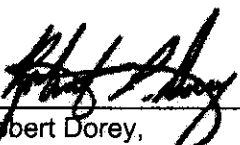
**Location Description:**  
#2 Oil, Inter. City GT, Progress Energy Inc.  
SAMPLE DESCRIPTION: FO-9357  
IC TANK #1

**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

  
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Manager, Environmental Services