

FLORIDA POWER CORPORATION
CENTRAL CHEMICAL LABORATORY
15760 WEST POWERLINE STREET
CRYSTAL RIVER, FL 34428
TEL: 352-563-4463; EXT: 5239
MICROWAVE: 240-5239 MAC CN77

Intercession City Unit (s):

Sample Date: 2/2/2004 Sample Number: FO-9611

Type of Fuel: No. 2 oil

Enter the type of Sample: CEMS Required

RESULTS*

API Gravity @ 60°F:	34
%S:	0.20
Density (@ 60° F):	0.8545
Density (lb/gal):	7.1188

HHV, BTU/lb:	19,343	% ASH:	
HHV, BTU/gal:	137,703	% Carbon:	87.4
HHV, BTU/bbl:	5,783,526	% Hydrogen:	12.9
LHV, BTU/lb:	18,166	% Nitrogen:	0.1
LHV, BTU/gal:	129,324	% Water:	
LHV, BTU/bbl:	5,431,608		

Sample Comment:

TANK 1

* Analysis performed by: TECO Labs

Jeff Smith
Chemist, Central Chem Lab

Power Engineering and Construction

Laboratory Services

5012 Causeway Blvd * Tampa Fl. 33619 * Ph (813) 630-7378 * Fax (813) 630-7360 * 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: 02/20/2004

Laboratory ID: AA73072

Sample Information

Location Description:
 #2 Oil, Inter. City GT, Progress Energy Inc.
 SAMPLE DESCRIPTION: FO-9611
 IC TANK #1

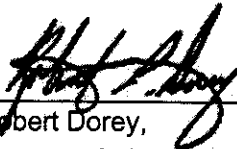
Sampled By: CUSTOMER
Date Sampled: 02/02/2004
Date Received: 02/09/2004

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Sulfur in Petroleum Products	See Comments	%	0.01		0.20	
Gross Heat of Combustion, Oils, (HHV)	19343	BTU/Lb.	1			
Gross Heat of Combustion, Oils, (HHV)	137703	BTU/Gal.	1	137000		
Gross Heat of Combustion, Oils, (HHV)	5783526	BTU/Barrel	1			
Net Heat of Combustion, Oils, (LHV)	18166	BTU/Lb.	1			
Net Heat of Combustion, Oils, (LHV)	129324	BTU/Gal.	1			
Net Heat of Combustion, Oils, (LHV)	5431608	BTU/Barrel	1			
Pounds / Gallon @ 60 Deg. F	7.119	Lbs./Gal.	0.001		9.5	
Relative Density 60/60 Deg. F	0.8550		0.0001			
Density @ 15 C (59 F)	0.8545	kg/L	0.0001			
Carbon	87.4	%	0.1			
Hydrogen	12.9	%	0.1			
Nitrogen	0.1	%	0.1			
API Gravity @ 60 Deg. F	34.0	Degrees API	0.1			

Comments

Sulfur Results:
 0.20%, 0.20%, 0.19%, 0.19%
 Sample ran in Quadruplicate.
 Instrument Minimum Detection Limit: 0.01%



Robert Dorey,
 Manager, Laboratory Services

FLORIDA POWER CORPORATION
CENTRAL CHEMICAL LABORATORY
15760 WEST POWERLINE STREET
CRYSTAL RIVER, FL 34428
TEL: 352-563-4463; EXT: 5239
MICROWAVE: 240-5239 MAC CN77

Intercession City Unit (s):

Sample Date: 2/2/2004 Sample Number: FO-9612

Type of Fuel: No. 2 oil

Enter the type of Sample: CEMS Required

RESULTS*

API Gravity @ 60°F:	34.5
%S:	0.20
Density (@ 60° F):	0.8520
Density (lb/gal):	7.0980

HHV, BTU/lb:	19,408	% ASH:	
HHV, BTU/gal:	137,758	% Carbon:	87.5
HHV, BTU/bbl:	5,785,836	% Hydrogen:	13.1
LHV, BTU/lb:	18,213	% Nitrogen:	0.1
LHV, BTU/gal:	129,276	% Water:	
LHV, BTU/bbl:	5,429,592		

Sample Comment:

TANK 2

* Analysis performed by: TECO Labs

Jeff Smith
Chemist, Central Chem Lab

Power Engineering and Construction

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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: 02/20/2004

Laboratory ID: AA73073

Sample Information

Location Description:
 #2 Oil, Inter. City GT, Progress Energy Inc.
 SAMPLE DESCRIPTION: FO-9612
 IC TANK #2

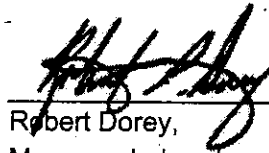
Sampled By: CUSTOMER
Date Sampled: 02/02/2004
Date Received: 02/09/2004

Laboratory Results

Parameter	Result	Units	MDL	Lower Limit	Upper Limit	Violation Check
Sulfur in Petroleum Products	See Comments	%	0.01		0.20	
Gross Heat of Combustion, Oils, (HHV)	19408	BTU/Lb.	1			
Gross Heat of Combustion, Oils, (HHV)	137758	BTU/Gal.	1	137000		
Gross Heat of Combustion, Oils, (HHV)	5785836	BTU/Barrel	1			
Net Heat of Combustion, Oils, (LHV)	18213	BTU/Lb.	1			
Net Heat of Combustion, Oils, (LHV)	129276	BTU/Gal.	1			
Net Heat of Combustion, Oils, (LHV)	5429592	BTU/Barrel	1			
Pounds / Gallon @ 60 Deg. F	7.098	Lbs./Gal.	0.001		9.5	
Relative Density 60/60 Deg. F	0.8524		0.0001			
Density @ 15 C (59 F)	0.8520	kg/L	0.0001			
Carbon	87.5	%	0.1			
Hydrogen	13.1	%	0.1			
Nitrogen	0.1	%	0.1			
API Gravity @ 60 Deg. F	34.5	Degrees API	0.1			

Comments

Sulfur Results:
 0.20%, 0.19%, 0.19%, 0.20%
 Sample ran in Quadruplicate.
 Instrument Minimum Detection Limit: 0.01%


 Robert Dorey,
 Manager, Laboratory Services