

IAC Tampa
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INSPECTORATE

Certificate of Analysis

Vessel / Shore Tank : DES 1625
 Product : Crude Oil
 Client Reference : N/A
 Terminal / Port / Office: Tampa, Florida
 Job ID : 577518-16-0030808
 Comments : Flash interference from water vapor

Sample Submitted By : IAC Tampa
 Analysis Performed By : IAC Savannah
 Date Sampled : 14-Jun-2016
 Date Reported : 25-Jun-2016
 Submission ID : 018-1600388

Barge DES 1625 Composite		
018-1600388-01-002		DES 1625 Composite
Method	Test	Result
ASTM D4052	API Gravity @ 60°F	25.6
	Test Temperature	15.0°C (59°F)
	Density , kg/m³	900.5
ASTM D445	Test Temperature	50°C (122°F)
	Kinematic Viscosity , cSt	48.10
ASTM D4294	Sulfur Content , % Mass	0.698
Mod ASTM D93 Proc. B	Manual / Automated	Automatic
	Flash Point , °F / °C	>230 / >110.0
Mod ASTM D95	Water by Distillation , % V/V	8.00
Mod ASTM D482	Ash Content , % Mass	0.695
ASTM D473	Sediment Content , % Mass / % V/V	0.45 / 0.20
IP 470-05	Aluminum , ppm (mg/kg)	74
Mod	Calcium , ppm (mg/kg)	116
Mod	Silicon , ppm (mg/kg)	292
Mod	Zinc , ppm (mg/kg)	113
	Al+Si , ppm (mg/kg)	366

Mod Modification (b) - Result to be reported outside of reporting range of method.

For Inspectorate:

Michael Babcock

Michael Babcock, Laboratory Technician