



# Certificate of Analysis

Report Date: 11/6/2020 12:59:24PM

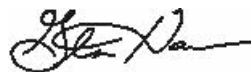
<b>Vessel/Equipment:</b>	Shore Tank 215 to 217	<b>File Number:</b>	99093
<b>Shore Tank</b>	217	<b>Lab Number:</b>	L20201105004
<b>Product:</b>	CSO/MCB	<b>Client:</b>	ExxonMobil
<b>Terminal:</b>	PFT, Mt. Airy, LA	<b>Client Reference:</b>	5107066
<b>Subject:</b>	Transfer		

<b>Sample Number:</b>		85007		<b>Sample Location:</b>		ST 217	
<b>Sample Type:</b>		Composite				Spec	
<u>Method</u>	<u>Component</u>	<u>Result</u>	<u>Units</u>	<u>Min</u>	<u>-</u>	<u>Max</u>	<u>Off-Spec</u>

D4052	API Gravity at 60°F	-2.3					
D4052	Specific Gravity at 15.5°/15.5°C	1.0957					
D4294M	Sulfur Content (Normalized)	2.37	wt%				
D445	Viscosity - Kinematic at 50°C	467.5	cSt				
D4530	Micro Carbon Residue Test	11.6	% (m/m)				
D482	Ash Content	0.082	mass %				
D5291M	Carbon (Normalized)	89.45	mass %				
D5291M	Hydrogen (Normalized)	7.97	mass %				
D5762M	Nitrogen (Normalized)	0.210	wt%				
D93B	Flash Point	179	°F				
D97	Pour Point	64.4	°F				
IP143	Asphaltenes	4.9	% (m/m)				
IP501M	Aluminum	168	ppm				
IP501M	Potassium	0.5	ppm				
IP501M	Sodium	3.1	ppm				
IP501M	Silicon	135	ppm				
IP501M	Vanadium	2.3	ppm				
IP501M	Zinc	22	ppm				

X 

Signed: Kody Dauzat  
Assistant Lab Manager

X 

Reviewed by: Glenn Hanson  
VP of Laboratories