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Report of Analysis

Curacao Oil N. V. (Curoil)
Terrence Libier
A.M Chumanceiro Blvd.15,
P.O. Box 3927
Willemstad
Netherlands Antilles

Comment Preliminary Report of Analysis

Our Reference Number: NA100-0008071
Lab Reference Number: 2024-CURA-000155
Customer Reference Number: MT Arendal

Customer Product Description: ULSD
Location: Motet, Curacao, , Netherlands Antilles
Sample Representing: Shore Tank # 2 U,M,L After Discharge
Drawn By: Intertek

Sample ID: 2024-CURA-000155-011
Date Sampled: 30-Oct-2024
Date Submitted: 01-Nov-2024
Date Tested: 04-Nov-2024

	Method	Property	Result	Units	Min	Max	P/F
	ASTM D445	Kinematic Viscosity at 40 °C	2.444	mm²/s	2.0	4.1	Pass
	ASTM D4052	API Gravity @ 60°F	38.0	°API	32.0		Pass
		Density @ 15°C	834.5	kg/m³	820	845	Pass
		Specific Gravity @ 60°F	0.8348				
	ASTM D976	Cetane Index	49.6		46.0		Pass
	ASTM D5453	Sulfur Content	4.6	ppm Wt		15	Pass
	ASTM D93	Corrected Flash Point	65.5	°C	60.0		Pass
3	ASTM D664	Acid Number	0.04	mg KOH/g		0.50	Pass
3	ASTM D2274	Total Insolubles (Oxidation Stability)	8	mg/L		25	Pass
	ASTM D4530	Micro Method Carbon Residue 10%	<0.1	Wt %		0.3	Pass
	ASTM D2500	Cloud Point	-12	°C			
	ASTM D97	Pour Point	-21	°C		0	Pass
	ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
	ASTM D95	Water Content	<0.01	Vol %		0.02	Pass
	ASTM D482	Ash	<0.010	Wt %		0.010	Pass
	ASTM D6079	Major Axis	370	µm			
		Minor Axis	350	µm			
		Wear Scar Diameter	360	µm		460	Pass
	ASTM D86	Initial Boiling Point	169.0	°C			
		10% Recovery	200.0	°C			
		50% Recovery	255.0	°C		288.0	Pass
		90% Recovery	320.0	°C	282.0	338.0	Pass
		Final Boiling Point	352.0	°C			
		Residue	1.5	% Vol		2.0	Pass
		Loss	0.5	% Vol		2.0	Pass
	ASTM D1500	ASTM Color	<1.5		<= 2.5		Pass
	ASTM D2624	Temperature	24.0	°C			
		Electrical Conductivity	130	pS/m	25		Pass

Material conforms to the Curoil ULSD requirements on above relevant point(s) of testing

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Signed By: O. Henriquez
Otmar Henriquez, Laboratory Technician

Date: 04-Nov-204

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Report of Analysis

INTERIM

Musket Corporation
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Houston, TX 77019
United States of America

Comment Preliminary Report of Analysis

Our Reference Number: NA100-0008071
Lab Reference Number: 2024-CURA-000155
Customer Reference Number: MR50496-WLB24(TS)0030-WEST INDIES PETROL

Customer Product Description: ULSD
Location: Motet, Curacao, , Netherlands Antilles
Sample Representing: Shore Tank # 2 U,M,L After Discharge
Drawn By: Intertek

Sample ID: 2024-CURA-000155-011
Date Sampled: 30-Oct-2024
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		Density @ 15°C	834.5	kg/m³	820	845	Pass
		Specific Gravity @ 60°F	0.8348				
	ASTM D976	Cetane Index	49.6		46.0		Pass
	ASTM D5453	Sulfur Content	4.6	ppm Wt		15	Pass
	ASTM D93	Corrected Flash Point - Procedure A	65.5	°C	60.0		Pass
2	ASTM D664	Acid Number	0.04	mg KOH/g		0.50	Pass
2	ASTM D2274	Total Insolubles (Oxidation Stability)	8	mg/L		25	Pass
	ASTM D4530	Average Micro Method Carbon Residue 10% Distillation Residue	<0.1	Wt %		0.3	Pass
	ASTM D2500	Cloud Point	-12	°C			
	ASTM D97	Pour Point	-21	°C		0	Pass
	ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
	ASTM D95	Water Content	0.0	Vol %			
	ASTM D482	Ash	<0.010	Wt %		0.010	Pass
	ASTM D6079	Major Axis	370	µm			
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Signed By: _____ Date: _____

Glenn Gustina, Branch Coordinator