

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

Our Reference Number: NA100-0007913
Lab Reference Number: 2024-CURA-000064
Customer Reference Number: Lady Malou

Customer Product Description: ULSD	Sample ID: 2024-CURA-000064-001
Location: Prins Hendrik Wharf, Curacao, , Netherlands Antilles	Date Sampled: 02-May-2024
Sample Representing: Lady Malou Volumetric Composite Before Discharge	Date Submitted: 02-May-2024
Drawn By: Intertek	Date Tested: 17-May-2024

Method	Property	Result	Units	Min	Max	P/F
ASTM D445	Kinematic Viscosity at 40 °C	2.972	mm ² /s	2.0	4.1	Pass
ASTM D4052	API Gravity @ 60°F	36.2	°API	32.0		Pass
	Density @ 15°C	843.6	kg/m ³	820	845	Pass
	Specific Gravity @ 60°F	0.8440				
ASTM D976	Cetane Index	50.6		46.0		Pass
ASTM D2622	Sulfur Content	6.5	ppm Wt		15	Pass
ASTM D93	Corrected Flash Point	65.5	°C	60.0		Pass
ASTM D664	Acid Number	0.07	mg KOH/g		0.50	Pass
³ ASTM D2274	Total Insolubles (Oxidation Stability)	3	mg/L		25	Pass
ASTM D4530	Micro Method Carbon Residue 10%	<0.1	Wt %		0.3	Pass
ASTM D2500	Cloud Point	-9	°C			
ASTM D97	Pour Point	-15	°C			
ASTM D4176 MOD	Appearance	Clear & Bright		Clear and Bright		Pass
ASTM D482	Ash	<0.010	Wt %		0.010	Pass
² ASTM D6079	Major Axis	430	µm			
	Minor Axis	380	µm			
	Wear Scar Diameter	400	µm		460	Pass
ASTM D86	10% Recovery	212.0	°C			
	50% Recovery	273.0	°C		288.0	Pass
	90% Recovery	330.0	°C	282.0	338.0	Pass
	Final Boiling Point	358.0	°C			
	Residue	1.5	% Vol		2.0	Pass
	Loss	0.5	% Vol		2.0	Pass
ASTM D1500	ASTM Color	<1.5		<= 2.5		Pass
² ASTM D130	Copper Corrosion @ 50°C (122°F)/3 hr	1b			Max No. 3	Pass
² ASTM D613	Cetane Number	51.7		46.0		Pass
² ASTM D1319	Aromatics	27.3	Vol %		35.0	Pass
² EN 12662	Total Contamination	<12.0	mg/kg		24.0	Pass
² ASTM D7111	Manganese	<0.50	mg/kg			
	Silicon	<0.10	mg/kg			

Report of Analysis

Our Reference Number: NA100-0007913
 Lab Reference Number: 2024-CURA-000064
 Customer Reference Number: Lady Malou

Customer Product Description: ULSD	Sample ID: 2024-CURA-000064-001
Location: Prins Hendrik Wharf, Curacao, , Netherlands Antilles	Date Sampled: 02-May-2024
Sample Representing: Lady Malou Volumetric Composite Before Discharge	Date Submitted: 02-May-2024
Drawn By: Intertek	Date Tested: 17-May-2024

Method	Property	Result	Units	Min	Max	P/F
ASTM D2624	Electrical Conductivity	211	pS/m	25		Pass
² UOP 779	Chloride	<1.0	mg/kg			
² ASTM D6591	Polycyclic-Aromatic Hydrocarbons (POLY-AH)	5.3	Mass %		8.0	Pass
ISO 3733	Water Content	<0.01	%(V/V)			

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

The issuance of this document does not exonerate any party from exercising all their rights and discharging all their liabilities under any contract of Sale. Stipulations to the contrary are not binding upon Intertek Oil, Chemical & Agri. Intertek Oil, Chemical & Agri responsibility is limited to gross negligence proven, and will in no case be more than ten times any fees or commission. All activities are undertaken on the basis of the applicable Intertek Oil, Chemical & Agri Terms and Conditions of Service. Nor should attempt to use or rely upon the contents of this document without having read and understood the Terms and Conditions applicable thereto. A copy can be obtained at <http://www.intertek.com/terms>.

The analysis results denoted by (2) were performed by Intertek Lab at Deer Park, Texas

Results are only representative of the sample tested. All tests have been performed using the latest version unless otherwise indicated. This report shall not be reproduced except in full without written approval of Intertek. Report is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms>

The analysis results denoted by (3) were performed by CRU Refinery Laboratory. Intertek cannot accept liability for the accuracy of any results not performed by its own laboratories.

Signed: 

Date: 17-May-2024

Glenn Gustina, Branch Coordinator