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Our Reference Number: NA100-0007728  
Lab Reference Number: 2023-CURA-000087  
Customer Reference Number: 12701/3571

<b>Customer Product Description:</b> Ultra Low Sulphur Diesel (ULSD)	<b>Sample ID:</b> 2023-CURA-000087-001
<b>Location:</b> Curacao, Curacao, , Netherlands Antilles	<b>Date Sampled:</b> 29-Nov-2023
<b>Sample Representing:</b> SCHWYZ Volumetric Composite Before Discharge	<b>Date Submitted:</b> 29-Nov-2023
<b>Drawn By:</b> Client	<b>Date Tested:</b> 13-Dec-2023

Method	Property	Result	Units	Min	Max	P/F
ASTM D445	Kinematic Viscosity @ 40°C	2.382	mm <sup>2</sup> /s	2.0	4.1	Pass
ASTM D4052	API Gravity @ 60°F	38.4	°API	32		Pass
	Density @ 15°C	832.7	kg/m <sup>3</sup>	820.0	845.0	Pass
	Specific Gravity @ 60°F	0.8328				
ASTM D976	Cetane Index, Calculation	48.9		46		Pass
<sup>1</sup> ASTM D5453	Sulfur Content	8.9	ppm		15	Pass
ASTM D93	Corrected Flash Point	62.0	°C	60.0		Pass
ASTM D664	Acid Number	<0.01	mg KOH/g		0.50	Pass
<sup>2</sup> ASTM D2274	Total Insolubles (Oxidation Stability)	<1.0	mg/L		25	Pass
ASTM D4530	Micro Method Carbon Residue 10%	<0.10	%(m/m)		0.30	Pass
ASTM D2500	Cloud Point	-8	°C			
ASTM D97	Pour Point	-21	°C		0	Pass
ASTM D4176 MOD	Appearance	Clear & Bright		Clear & Bright		Pass
ASTM D95	Water Content	0.00	%(V/V)		0.02	Pass
ASTM D482	Ash	<0.001	%(m/m)		0.01	Pass
<sup>2</sup> ASTM D6079	Wear Scar Diameter	380	µm		460	Pass
ASTM D86	10% Recovery	188.0	°C			
	50% Recovery	252.0	°C		288	Pass
	90% Recovery	332.0	°C	282	338	Pass
	Residue	1.5	Vol %		2.0	Pass
	Loss	0.5	Vol %		2.0	Pass
ASTM D1500	ASTM Color	<1			2.5	Pass
<sup>2</sup> ASTM D130	Copper Corrosion @ 50°C /3 hr	1b			No.3	Pass
<sup>2</sup> ASTM D613	Cetane Number	47.3		46		Pass
<sup>2</sup> ASTM D1319	Aromatics	21.2	Vol %		35	Pass
<sup>2</sup> EN 12662	Total Contamination	1.0	mg/kg		24	Pass
<sup>2</sup> ASTM D7111	Manganese	<0.1	mg/kg			
	Silicon	<0.1	mg/kg			
<sup>2</sup> ASTM D2624	Electrical Conductivity	33	pS/M	25		Pass
<sup>2</sup> UOP 779	Chloride	<1	mg/kg			

# Report of Analysis

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Method	Property	Result	Units	Min	Max	P/F
<sup>2</sup> ASTM D6591	Polycyclic Aromatic Hydrocarbons	1.8	% (m/m)		8.0	Pass

**Material conforms to the ISO 8217 DMA Summer requirements on above relevant point(s) of testing**

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 The sample was submitted for testing purposes. Intertek cannot accept liability for the representativeness of the sample.

The analysis results denoted by ( 2 ) were performed by Saybolt LP Laboratories. The analysis results denoted by ( 1 ) was performed by Camin Cargo Control Laboratory. Intertek cannot accept liability for the accuracy of any results not performed by its own laboratories.



Signed: \_\_\_\_\_

Glenn Gustina, Branch Coordinator

Date: 13-Dec-2023