



Rennsli Corp
 270 N Geneva Rd
 Orem, UT 84057
 Thomas Parish

March 21, 2024
 Job #:RC032124NSL
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Laboratory Report

Sample ID: **Ferox 1g in 40 G (151 L) Diesel Sample, 3-7-24**

Matrix: Diesel Fuel

Sample Preparation: None

Results: Sample **Passes** the following values per ASTM D975

Test	Method	Units	Value	ASTM D975 Limits
Visual	ASTM D4176	Pass/Fail	Pass	Pass
Copper Corrosion	ASTM D130 3 hrs @ 50C	Rating, 3 hrs@50 °C	1a	3 maximum
Distillation	ASTM D86	°F	10%: 362	540 - 640
			50%: 480	
			90%: 604	
			Final Boiling Point: 658	
			vol % Residue: 0.9	
			vol % Loss: 0.2	1.5 maximum
Flash Point	ASTM D93	°F	135	126 minimum
API Gravity Density	ASTM D4052	@60°F kg/m ³	38.2	
			833	
Cloud Point	ASTM D5773	°F	-3.3	6.0 maximum
Pour Point	ASTM D5949	°F	-49.0	-15.0 maximum
Ash Weight	ASTM D482	mass%	0.000	0.010 maximum
Conductivity	ASTM D2624	pS/m	386*	
Cetane Index	ASTM D4737	calculated	47.7	40.0 minimum



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<u>Test</u>	<u>Method</u>	<u>Units</u>	<u>Value</u>	<u>ASTM D975 Limits</u>
Ramsbottom Carbon (on 10% Distillation residue)	ASTM D524	mass%	0.08	0.35 maximum
Aromatics maximum	ASTM D1319	volume %	23.7	35.0
Olefins	ASTM D1319	volume %	0.7	
Sulfur	ASTM D5453	ppm	4.6*	15 maximum
Bottom Sediment and Water	ASTM D1796	volume %	0.00	0.05 maximum
Kinematic Viscosity @40.0C	ASTM D7042	cSt	2.215	1.9 – 4.1
Color	ASTM D1500	Rating	1.0	
Lubricity	ASTM D6079	µm	405	520 maximum

*: Average of two runs for this test

Analysis Performed by: Oswaldo Albornoz

Reviewed by: Julian Tamillos

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