



Rennsli Corp
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 Orem, UT 84057
 Thomas Parish

March 11, 2024
 Job #:RC0311824NSL
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Laboratory Report

Sample ID **Ferox 1g/40 G (151 L) Jet A Sample, 3-7-24**

Matrix: Jet A

Sample Preparation: None

Results: Sample **Passes** the following values per ASTM D1655

Test	Method	Units	Value	ASTM D1655 Limits
Visual	ASTM D4176	Pass/Fail	Pass	Pass
Distillation	ASTM D86	°F	10%: 340	400 maximum
			50%: 400	Report
			90%: 493	Report
			Final Boiling Point: 530	572 Maximum
			vol % Residue: 0.9	1.5 maximum
			vol % Loss: 0.4	1.5 maximum
Flash Point	ASTM D93	°F	110*	100 minimum
API Gravity	ASTM D4052	@60°F	43.5	37 - 51
Density	ASTM D4052	kg/m ³	808	775 - 840
Freezing Pt	ASTM D5972	°F	-47.7	-40.0 maximum
Cu Corrosion	ASTM D130	Rating, 2hrs/100°C	1a	No. 1 maximum
Existent Gum	IP-540	mg/100 mL	0.2	7.0 maximum
MSEP	ASTM D7224	Rating	97	85 minimum
Smoke Point	ASTM D1322	mm	25	25 Minimum
Net Heat of Combust.	ASTM D3338	MJ/Kg	43.2	42.8 Minimum



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Job #: RC031124NSL

Sample ID: **Ferox 29 mg Jet A Sample, 3-7-24**

<u>Test</u>	<u>Method</u>	<u>Units</u>	<u>Value</u>	<u>ASTM D1655 Limits</u>
Acidity	ASTM D3242	mg KOH/g	0.007	0.100 Maximum
Aromatics	ASTM D6379	volume %	18.6	26.5 Maximum
Sulfur	ASTM D5453	weight %	0.047	0.300 Maximum
Mercaptan Sulfur	ASTM D3227	weight %	0.0014	0.0030 Maximum
Viscosity @-20.0Cd	ASTM D7042	cSt	4.543	8.0 Maximum
JFTOT Thermal Stability	ASTM D3241 @ 260°C Pressure Change Tube Deposits	mm Hg Rating nm	1* 2* 63*	25 Maximum 3 Maximum 85 Maximum

*: Average of two runs for the test

Analysis Performed by: Oswaldo Albornoz

Reviewed by: Julian Tamillos

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