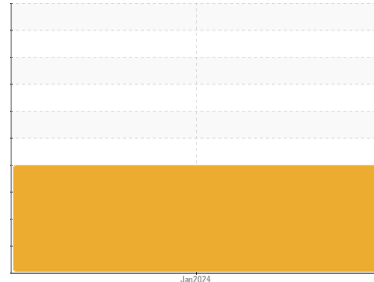




FUEL REPORT

Sample Rating Trend



DIRT



Machine Id
FSA
 Component
Solvent
 Fluid

MILITARY MIL-PRF-7024F TYPE II CALIBRATION (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

▲ Wear

{not applicable}

▲ Contamination

Silicon ppm levels are noted.

▲ Fluid Condition

Calcium and zinc ppm levels are noted.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0887309	---	---
Sample Date	Client Info		15 Jan 2024	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ATTENTION	---	---

PHYSICAL PROPERTIES

	method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*		0.768	---	---
Fuel Color	text	Visual Screen*	Yellow	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	1.1	---	---
Pensky-Martens Flash Point	°C	ASTM D7215* 38	45	---	---

SULFUR CONTENT

	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	45	---	---

DISTILLATION

	method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*	163	---	---
5% Distillation Point	°C	ASTM D2887*	169	---	---
10% Distill Point	°C	ASTM D2887*	169	---	---
15% Distillation Point	°C	ASTM D2887*	170	---	---
20% Distill Point	°C	ASTM D2887*	172	---	---
30% Distill Point	°C	ASTM D2887*	172	---	---
40% Distill Point	°C	ASTM D2887*	174	---	---
50% Distill Point	°C	ASTM D2887*	176	---	---
60% Distill Point	°C	ASTM D2887*	178	---	---
70% Distill Point	°C	ASTM D2887*	180	---	---
80% Distill Point	°C	ASTM D2887*	187	---	---
85% Distillation Point	°C	ASTM D2887*	192	---	---
90% Distill Point	°C	ASTM D2887*	198	---	---
95% Distillation Point	°C	ASTM D2887*	208	---	---
Final Boiling Point	°C	ASTM D2887*	253	---	---

IGNITION QUALITY

	method	limit/base	current	history1	history2
API Gravity	ASTM D1298*		52	---	---
Cetane Index	ASTM D4737*	<40.0	51	---	---

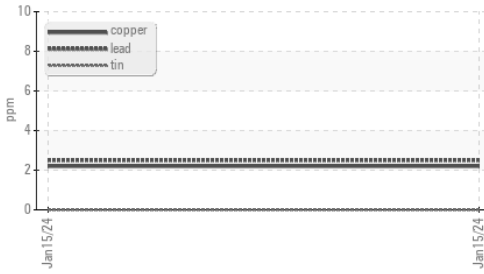
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0 ▲ 4	---	---
Sodium	ppm	ASTM D5185(m)	<0.1 <1	---	---
Potassium	ppm	ASTM D5185(m)	<0.1 0	---	---
Water	%	ASTM D6304*	<0.05 0.002	---	---
ppm Water	ppm	ASTM D6304*	<500 16	---	---

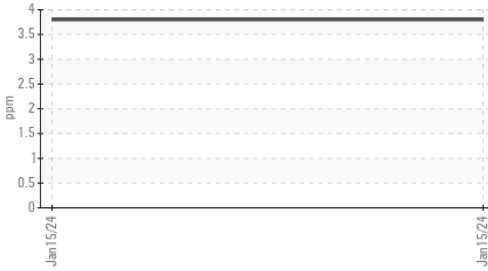


FUEL REPORT

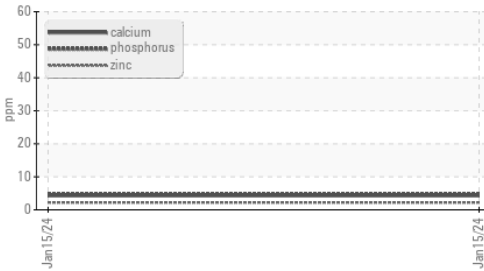
▲ Non-ferrous Metals



▲ Silicon (ppm)



▲ Additives

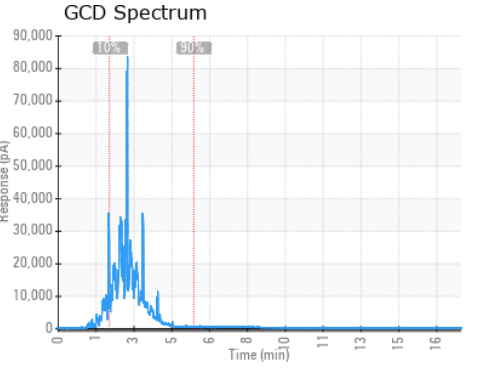
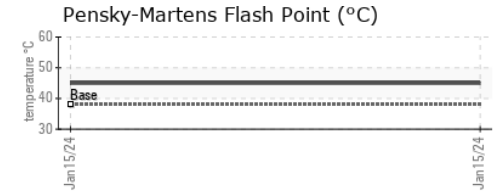
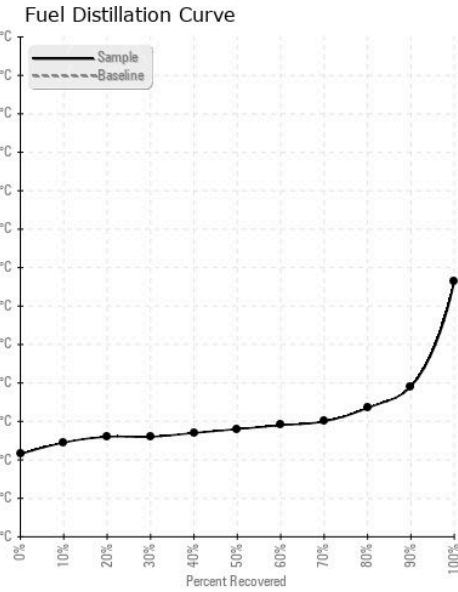
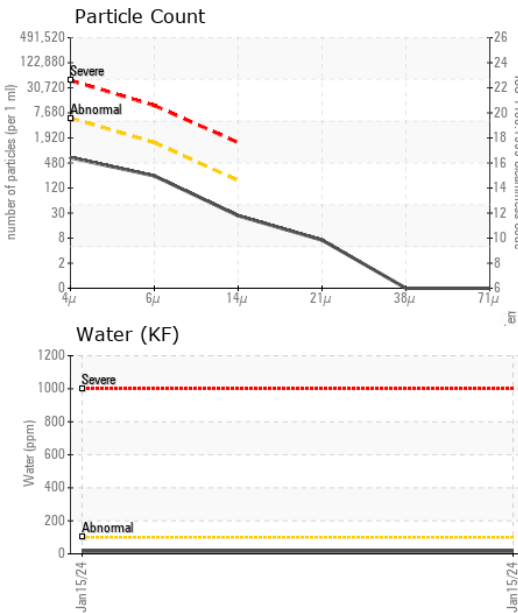


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	566	---	---
Particles >6µm	ASTM D7647	>1300	207	---	---
Particles >14µm	ASTM D7647	>160	23	---	---
Particles >21µm	ASTM D7647	>40	6	---	---
Particles >38µm	ASTM D7647	>10	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	16/15/12	---	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	<1	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	▲ 2	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	<1	---
Calcium	ppm	ASTM D5185(m)	<0.1	▲ 4	---
Magnesium	ppm	ASTM D5185(m)	<0.1	0	---
Phosphorus	ppm	ASTM D5185(m)	<0.1	5	---
Zinc	ppm	ASTM D5185(m)	<0.1	▲ 2	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0887309 **Received** : 17 Jan 2024
Lab Number : **02609555** **Diagnosed** : 29 Jan 2024
Unique Number : 5710641 **Diagnostician** : Bill Quesnel
Test Package : FUEL (Additional Tests: API, CC Flash, Cetane, Fuel, GC-PerFuel, GCD, ICP, KF, KV49, PrtCount, Spa

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 Charlottetown, PE
 CA C1E 2B7
 Contact: Chris Newson
 cnewson@actionaero.com
 T: (902)370-3311
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.