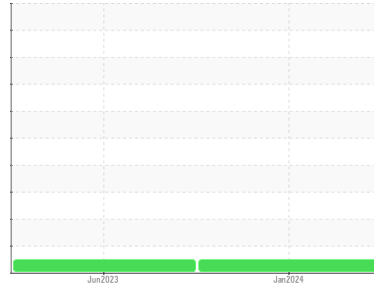




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CFR#72302 [202157]
 Machine Id
LEOPARD 2A4M
 Component
Transmission
 Fluid
SAE 5W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0848507	WC0848510	---
Sample Date	Client Info			02 Jan 2024	15 Jun 2023	---
Machine Age	hrs	Client Info		1382	1381	---
Oil Age	hrs	Client Info		2	0	---
Oil Changed	Client Info			Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	---

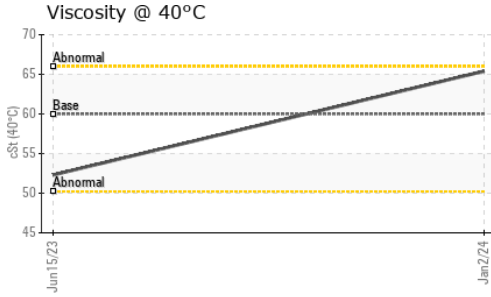
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	4	5	---
Chromium	ppm	ASTM D5185(m)	>25	0	0	---
Nickel	ppm	ASTM D5185(m)		<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>15	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>35	5	4	---
Lead	ppm	ASTM D5185(m)	>100	17	64	---
Copper	ppm	ASTM D5185(m)	>150	6	17	---
Tin	ppm	ASTM D5185(m)	>20	<1	<1	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		63	72	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		47	36	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		804	23	---
Calcium	ppm	ASTM D5185(m)		1153	2142	---
Phosphorus	ppm	ASTM D5185(m)		926	798	---
Zinc	ppm	ASTM D5185(m)		1021	807	---
Sulfur	ppm	ASTM D5185(m)		2824	2827	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>100	6	3	---
Sodium	ppm	ASTM D5185(m)		4	4	---
Potassium	ppm	ASTM D5185(m)	>20	4	2	---



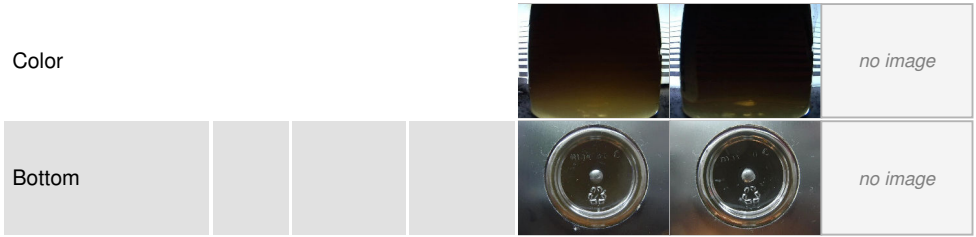
OIL ANALYSIS REPORT



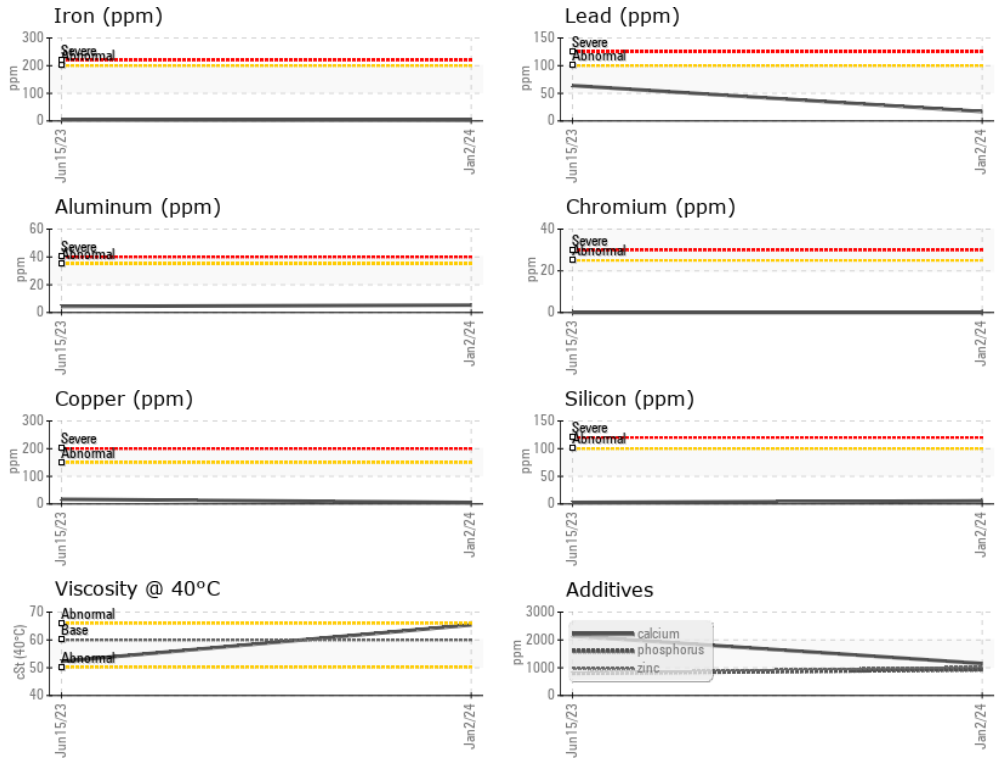
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	60.0	65.4	52.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **DEPARTMENT OF NATIONAL DEFENSE**
Sample No. : WC0848507 **Received** : 11 Jan 2024 **MGEN.GEORGE R.PEARKES BUILDING**
Lab Number : 02608236 **Diagnosed** : 12 Jan 2024 **OTTAWA, ON**
Unique Number : 5709322 **Diagnostician** : Kevin Marson **CA K1A 0K2**
Test Package : MOB 1

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.

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