



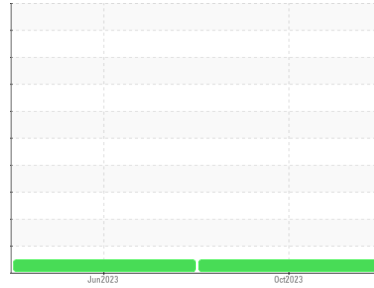
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CFR#72359
 Machine Id
LEOPARD 2A4CAN
 Component
Transmission
 Fluid
DIESEL ENGINE OIL SAE 5W30 (--- GAL)



DIAGNOSIS

Recommendation
 Resample at the next service interval to monitor.

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		WC0848502	WC0848511	---
Sample Date	Client Info		24 Oct 2023	15 Jun 2023	---
Machine Age	hrs	Client Info	18	16	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	3	6	---
Chromium	ppm	ASTM D5185(m)	>25	0	0	---
Nickel	ppm	ASTM D5185(m)		0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>15	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>35	2	3	---
Lead	ppm	ASTM D5185(m)	>100	6	26	---
Copper	ppm	ASTM D5185(m)	>150	7	32	---
Tin	ppm	ASTM D5185(m)	>20	0	<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)	250	57	32	---
Barium	ppm	ASTM D5185(m)	10	<1	3	---
Molybdenum	ppm	ASTM D5185(m)	100	50	45	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	450	877	264	---
Calcium	ppm	ASTM D5185(m)	3000	1104	2081	---
Phosphorus	ppm	ASTM D5185(m)	1150	954	1002	---
Zinc	ppm	ASTM D5185(m)	1350	1065	987	---
Sulfur	ppm	ASTM D5185(m)	4250	2689	2755	---
Lithium	ppm	ASTM D5185(m)		<1	3	---

CONTAMINANTS

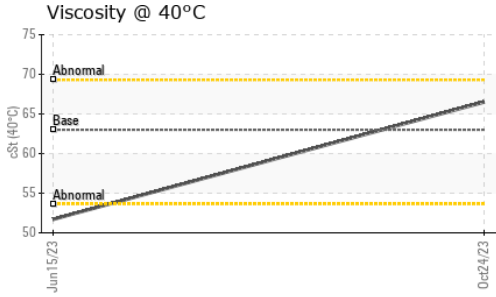
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>100	13	4	---
Sodium	ppm	ASTM D5185(m)		4	6	---
Potassium	ppm	ASTM D5185(m)	>20	1	8	---

VISUAL

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



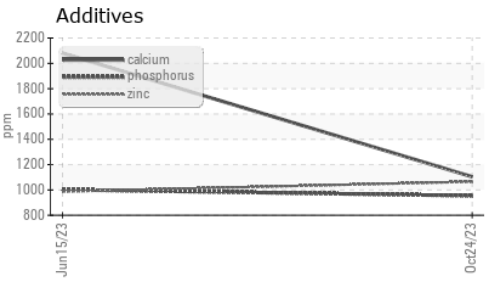
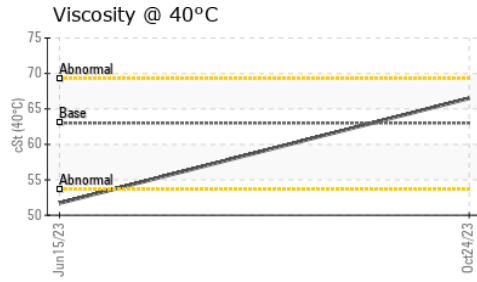
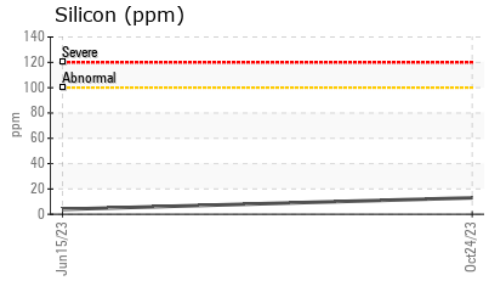
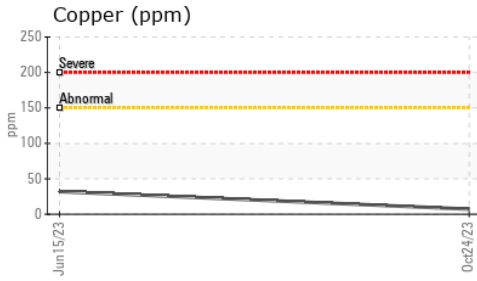
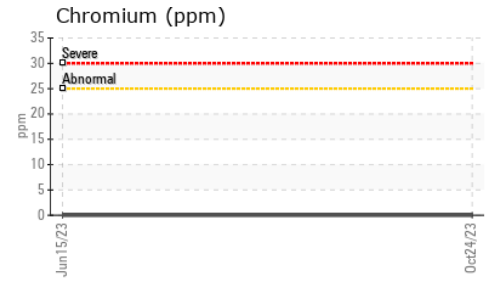
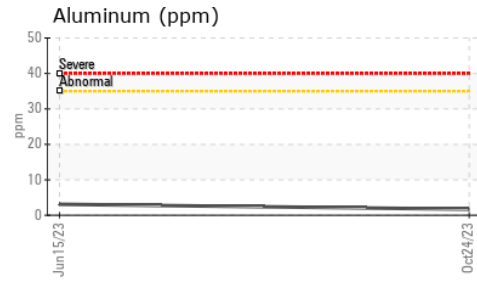
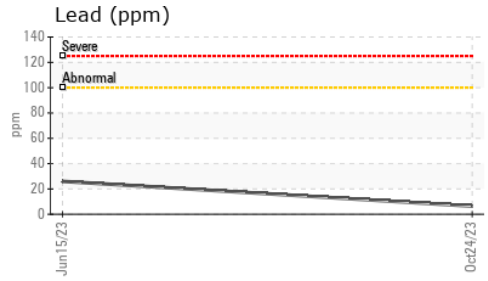
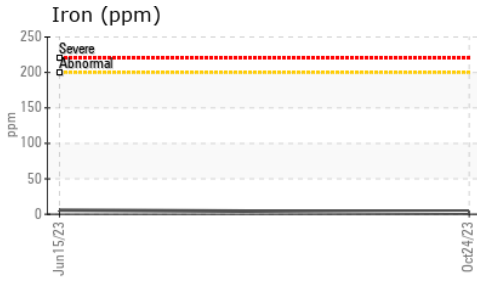
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	63	66.5	51.7	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **DEPARTMENT OF NATIONAL DEFENSE**
Sample No. : WC0848502 **Received** : 27 Oct 2023 **MGEN.GEORGE R.PEARKE'S BUILDING**
Lab Number : 02592442 **Diagnosed** : 27 Oct 2023 **OTTAWA, ON**
Unique Number : 5669521 **Diagnostician** : Kevin Marson **CA K1A 0K2**
Test Package : MOB 1 **Contact: Jacques Brousseau**

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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