



# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**RAM 2**  
 Component  
**Differential**  
 Fluid  
**SAE 75W140 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

We advise that you check all areas where contaminants can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for data entry updates.

### ▲ Wear

All component wear rates are normal.

### Contamination

Lithium (Li) level abnormal at 27ppm., indicates possible grease contamination. The water content is negligible.

### ▲ Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0809685</b>	---	---
Sample Date	Client Info		<b>16 Apr 2023</b>	---	---
Machine Age	kms	Client Info	<b>6500</b>	---	---
Oil Age	kms	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>249</b>	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	---
Nickel	ppm	ASTM D5185(m)	>10	<b>5</b>	---
Titanium	ppm	ASTM D5185(m)		<b>▲ 18</b>	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	---
Copper	ppm	ASTM D5185(m)	>100	<b>2</b>	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---

## ADDITIVES

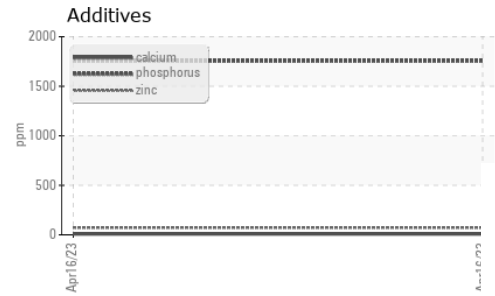
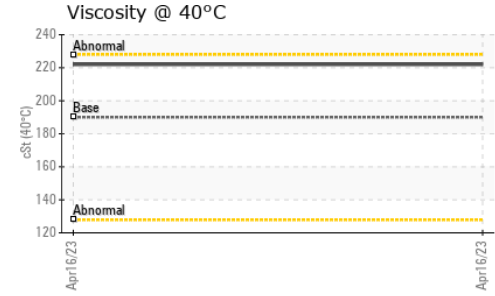
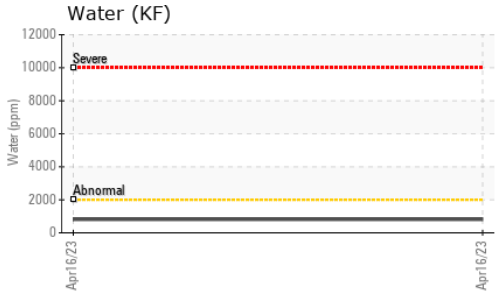
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>137</b>	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---
Manganese	ppm	ASTM D5185(m)		<b>5</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Calcium	ppm	ASTM D5185(m)		<b>8</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>1756</b>	---
Zinc	ppm	ASTM D5185(m)		<b>72</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>21926</b>	---
Lithium	ppm	ASTM D5185(m)		<b>▲ 27</b>	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>11</b>	---
Sodium	ppm	ASTM D5185(m)		<b>15</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>15</b>	---
Water	%	ASTM D6304*	>.2	<b>0.081</b>	---
ppm Water	ppm	ASTM D6304*	>2000	<b>815.0</b>	---



# OIL ANALYSIS REPORT



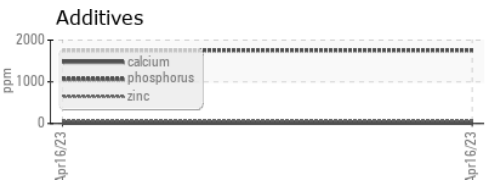
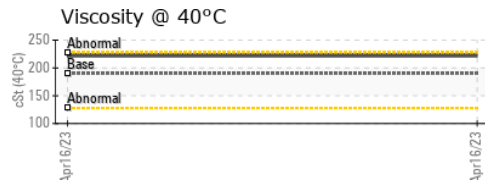
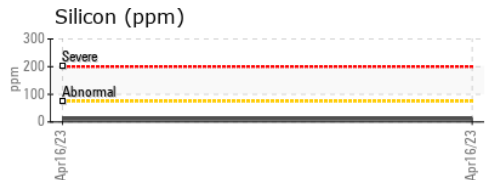
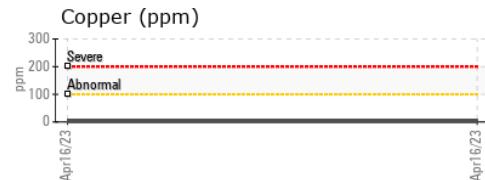
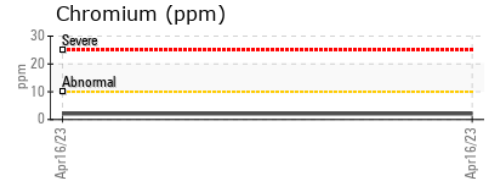
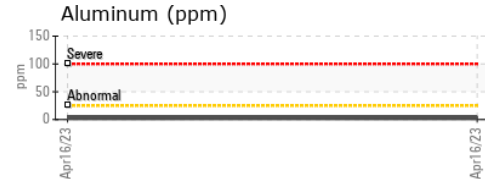
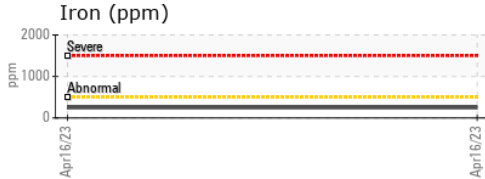
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	.2%	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	190	222	---

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0809685      **Received** : 17 Apr 2023  
**Lab Number** : 02551807      **Tested** : 12 Jun 2024  
**Unique Number** : 5564822      **Diagnosed** : 12 Jun 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KF )

**Craison Industries Inc**  
 2398 Rushbury Ct  
 Burlington, ON  
 CA L7P 3V8  
 Contact: Craig Boogers  
 cboogers@cogeco.ca  
 T: (905)864-5885  
 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.