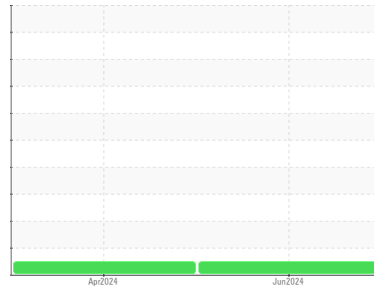




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id

**MERCEDES C6-B**

Component

**Diesel Engine**

Fluid

**PETRO CANADA DURON UHP 10W40 (--- 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 oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0940239</b>	WC0914022	---
Sample Date	Client Info		<b>11 Jun 2024</b>	11 Apr 2024	---
Machine Age	hrs	Client Info	<b>2815</b>	1899	---
Oil Age	hrs	Client Info	<b>0</b>	1000	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	<b>5</b>	6	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	1	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>330	<b>4</b>	9	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	2	<b>94</b>	101	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>46</b>	41	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>907</b>	824	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1314</b>	1460	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>741</b>	736	---
Zinc	ppm	ASTM D5185(m)	1270	<b>846</b>	856	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>1972</b>	1952	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

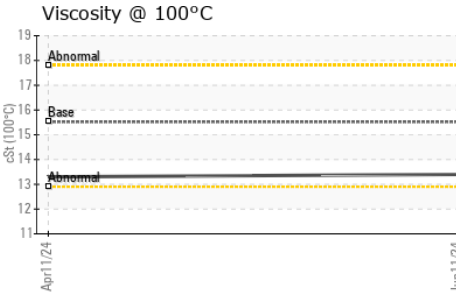
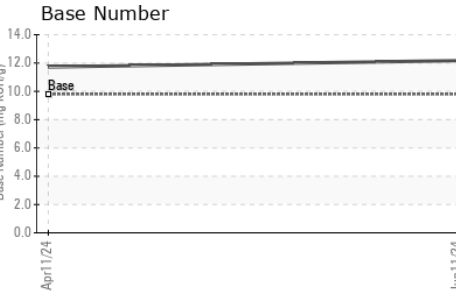
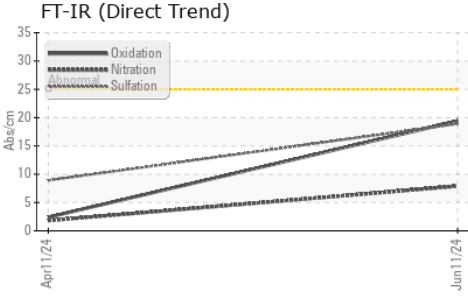
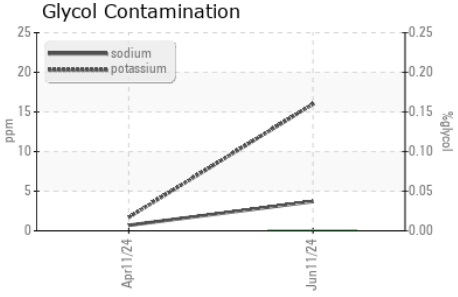
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>16</b>	2	---
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	---

## INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.9</b>	1.8	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>18.9</b>	8.9	---



# OIL ANALYSIS REPORT

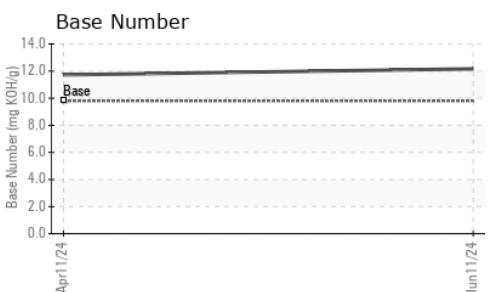
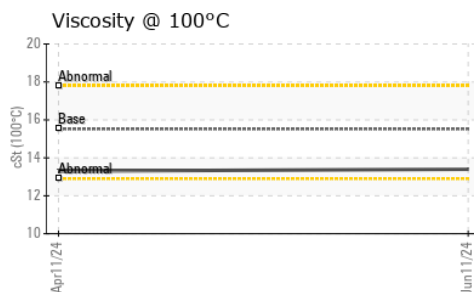
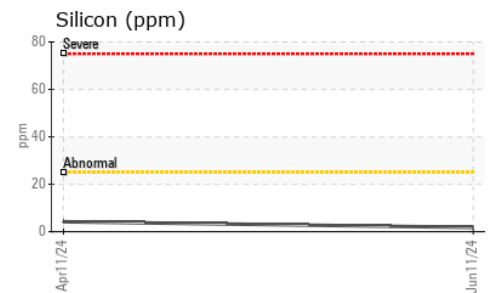
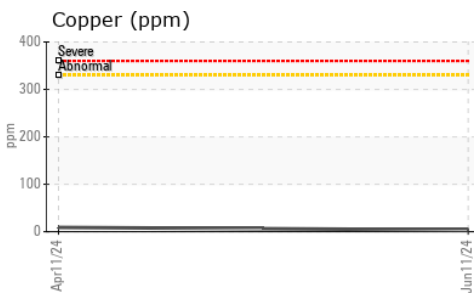
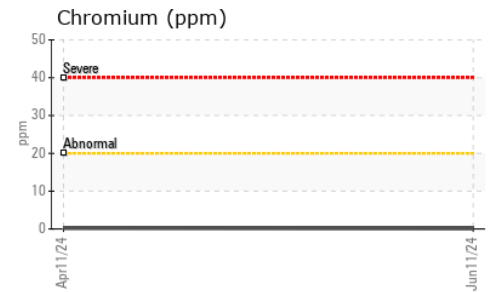
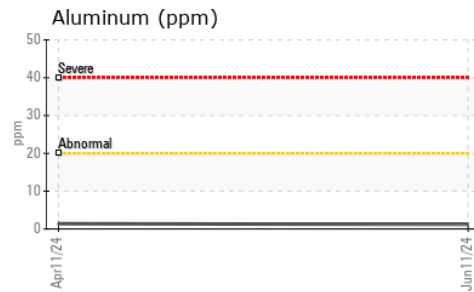
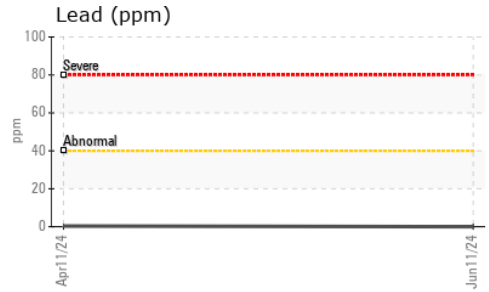
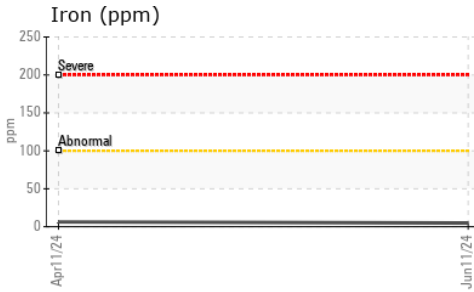


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.4</b>	2.4	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	<b>12.17</b>	11.72	---

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	15.52	<b>13.4</b>	13.3	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0940239      **Received** : 13 Jun 2024  
**Lab Number** : **02641590**      **Tested** : 14 Jun 2024  
**Unique Number** : 5799129      **Diagnosed** : 14 Jun 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

**TransitNext M&R Inc**  
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 Glenn.Skilton@atkinsrealis.com  
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 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.