



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**4774**  
Component  
**Diesel Engine**  
Fluid

**PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0117298</b>	GFL0052599	---
Sample Date		Client Info		<b>26 Apr 2024</b>	25 May 2022	---
Machine Age	hrs	Client Info		<b>191</b>	21623	---
Oil Age	hrs	Client Info		<b>191</b>	0	---
Filter Age	hrs	Client Info		<b>191</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>120	<b>10</b>	3	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

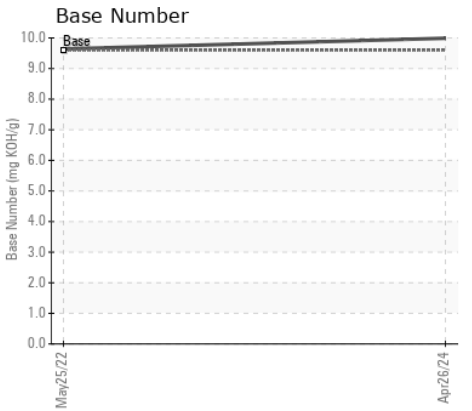
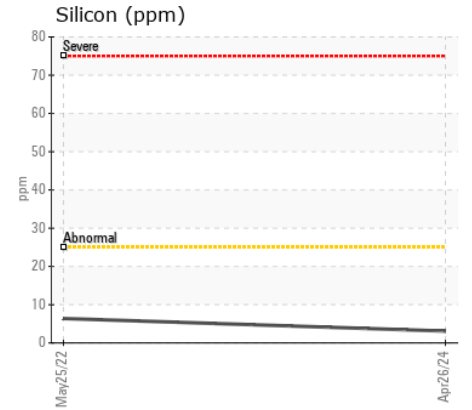
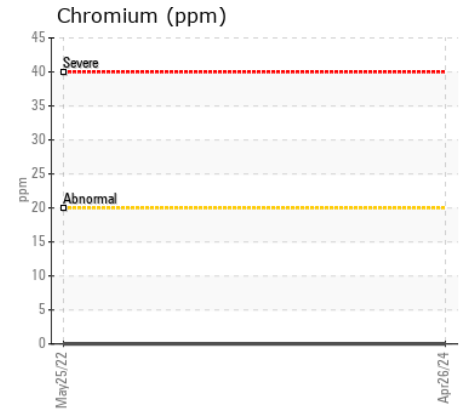
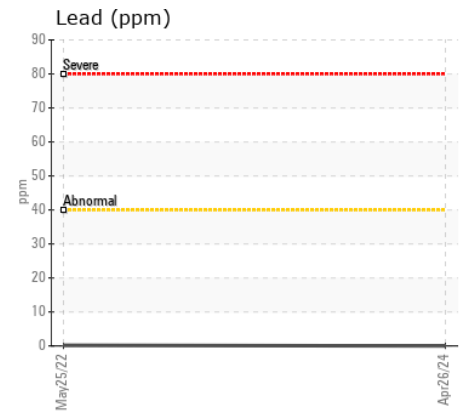
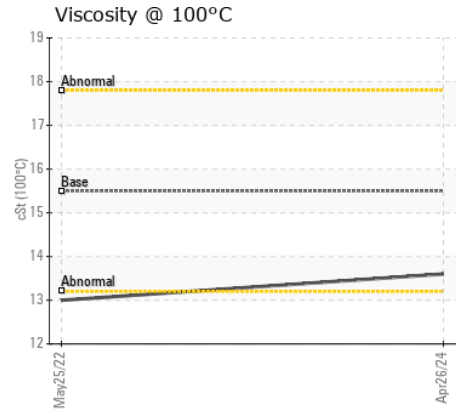
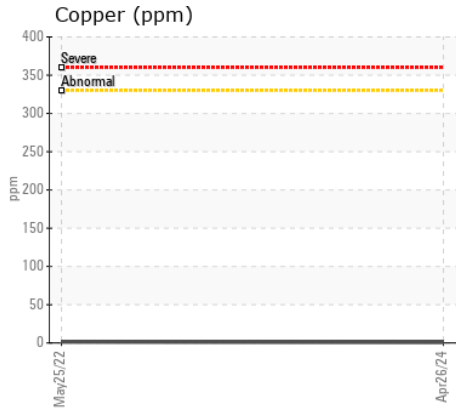
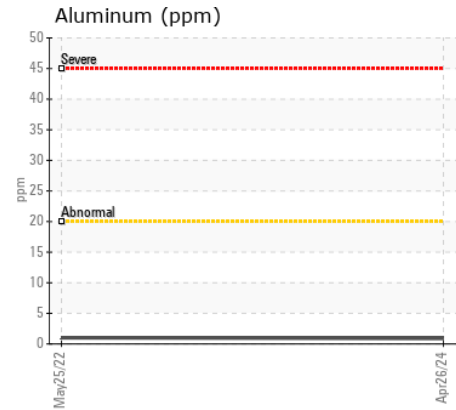
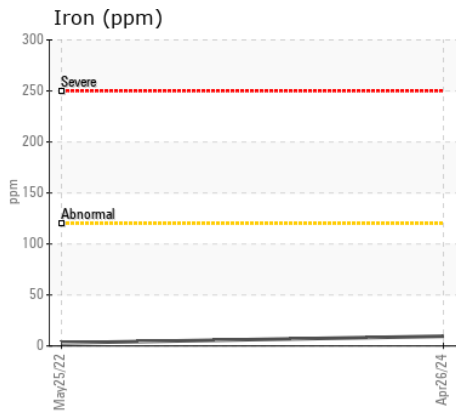
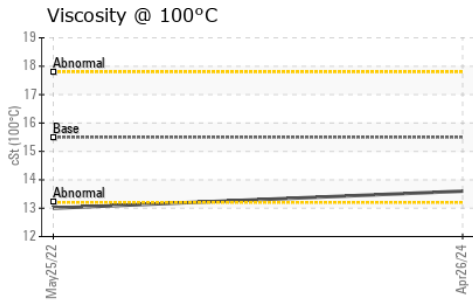
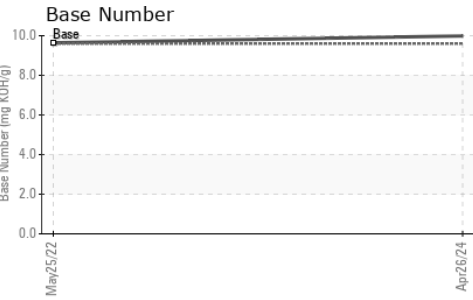
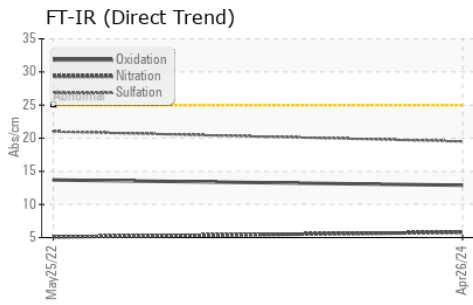
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	6	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	3	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>4	<b>1</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.8</b>	5.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.5</b>	21.0	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**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.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	2	---
Boron	ppm	ASTM D5185(m)	1	<b>2</b>	4	---
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	60	<b>61</b>	56	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	<b>973</b>	947	---
Calcium	ppm	ASTM D5185(m)	1070	<b>1062</b>	1126	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1006</b>	1055	---
Zinc	ppm	ASTM D5185(m)	1270	<b>1179</b>	1195	---
Sulfur	ppm	ASTM D5185(m)	2060	<b>2666</b>	2745	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	13.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.6	<b>9.99</b>	9.64	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	<b>13.6</b>	13.0	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 550 - Rocky View County**  
**Sample No.** : GFL0117298 **Received** : 07 May 2024 **220 Carmek Blvd**  
**Lab Number** : 02633817 **Tested** : 07 May 2024 **Rocky View County, AB**  
**Unique Number** : 5774970 **Diagnosed** : 07 May 2024 - Wes Davis **CA T1X 1X1**  
**Test Package** : MOB 2 **Contact: GFL Calgary**  
**calgarymaintenance@gflenv.com**

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.

**T:**  
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