



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



Machine Id  
**WL0414**

Component  
**Front Differential**

Fluid  
**PETRO CANADA PRODURO TO-4 SYNTHETIC ALL SEASON (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0089819</b>	---	---
Sample Date		Client Info		<b>02 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>3102</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changed</b>	---	---
Filter Changed		Client Info		<b>Not Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>19</b>	---	---
Chromium	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>13	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>103	<b>6</b>	---	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

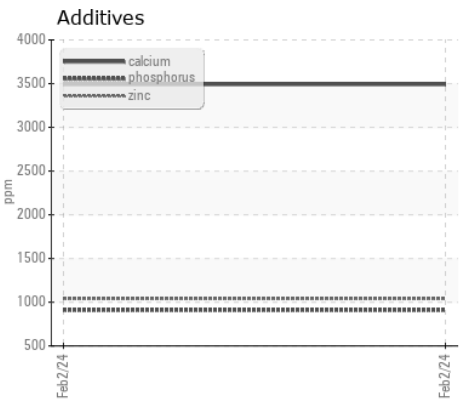
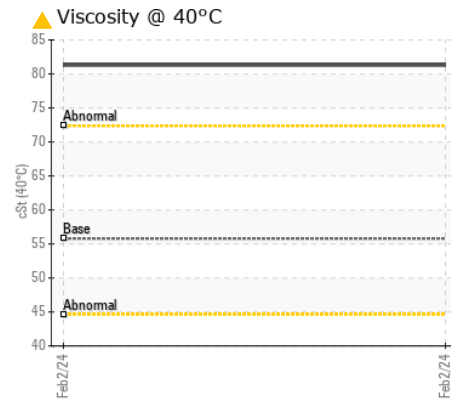
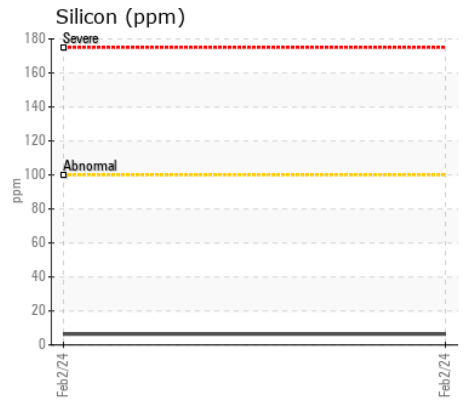
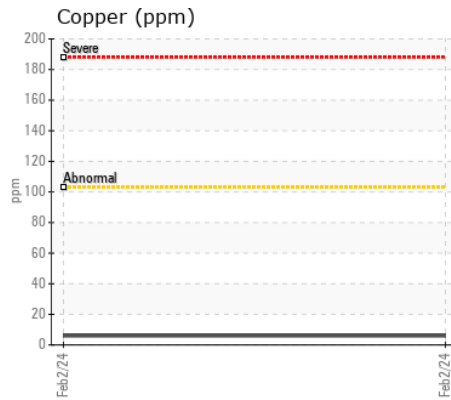
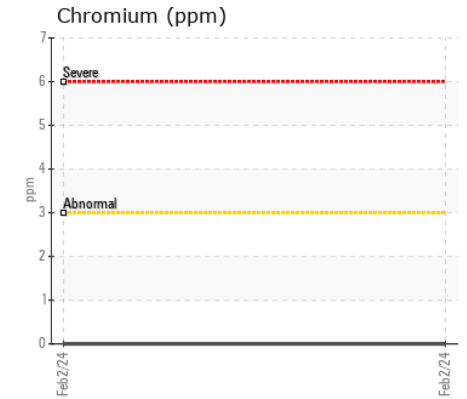
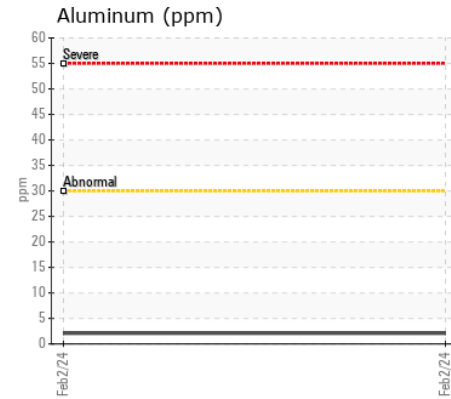
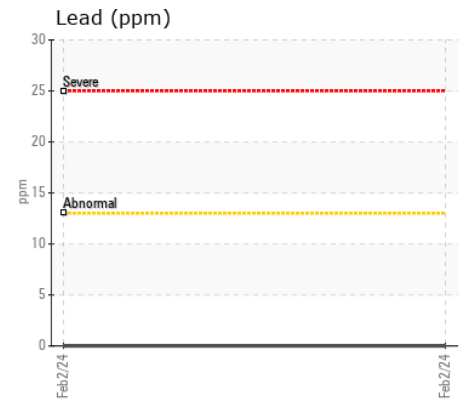
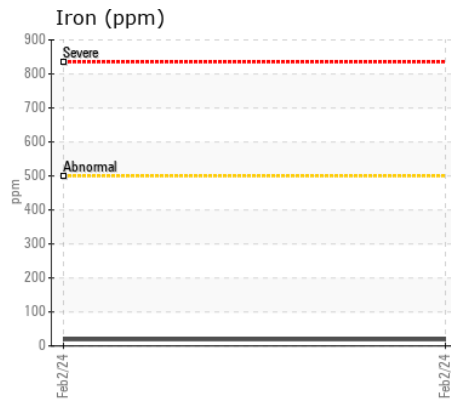
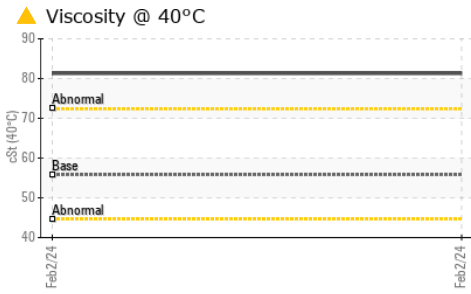
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Water		WC Method	>.2	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	---	---

**FLUID CONDITION**

The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Boron	ppm	ASTM D5185(m)	5	<b>&lt;1</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	10	<b>12</b>	---	---
Calcium	ppm	ASTM D5185(m)	3068	<b>3492</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1081	<b>911</b>	---	---
Zinc	ppm	ASTM D5185(m)	1199	<b>1040</b>	---	---
Sulfur	ppm	ASTM D5185(m)	4636	<b>3502</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.79	<b>▲ 81.3</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0089819 **Received** : 15 Feb 2024  
**Lab Number** : 02616047 **Tested** : 15 Feb 2024  
**Unique Number** : 5733157 **Diagnosed** : 16 Feb 2024 - Kevin Marson  
**Test Package** : MOB 1

**GFL Environmental - DO NOT USE** **GFL582**  
 9401 Trans Canada Hwy  
 Chemainus, BC  
 CA V0R 1K4  
 Contact: service

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:  
F: