



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

Machine Id  
**421051**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0112409</b>	GFL0070737	GFL0060193
Sample Date		Client Info		<b>13 Feb 2024</b>	07 Mar 2023	28 Sep 2022
Machine Age	hrs	Client Info		<b>4933</b>	2641	1746
Oil Age	hrs	Client Info		<b>2100</b>	896	564
Filter Age	hrs	Client Info		<b>2100</b>	896	564
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184*	>50	<b>3</b>	0	---
Iron	ppm	ASTM D5185(m)	>160	<b>106</b>	70	55
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>18</b>	11	8
Lead	ppm	ASTM D5185(m)	>50	<b>25</b>	24	23
Copper	ppm	ASTM D5185(m)	>225	<b>28</b>	24	21
Tin	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

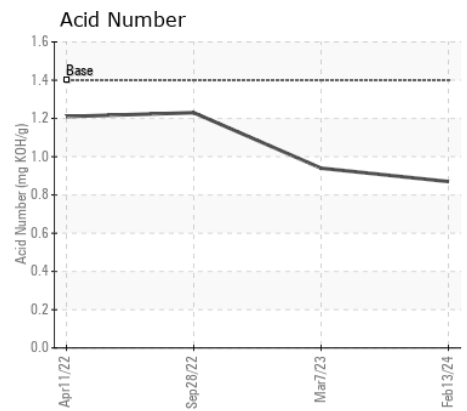
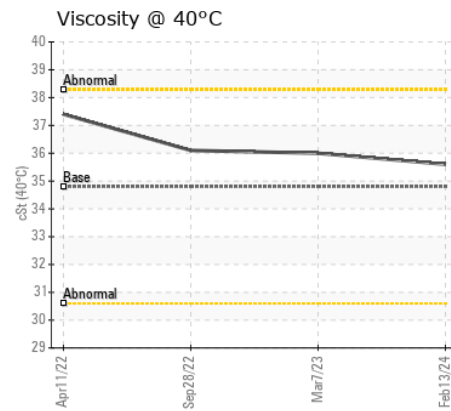
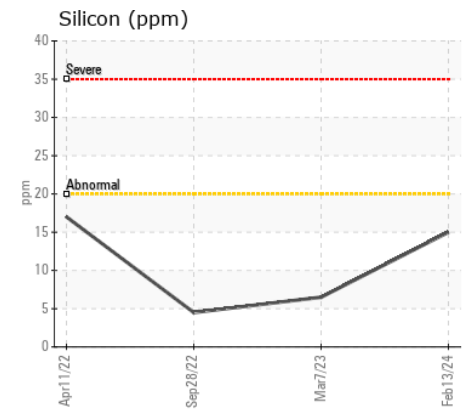
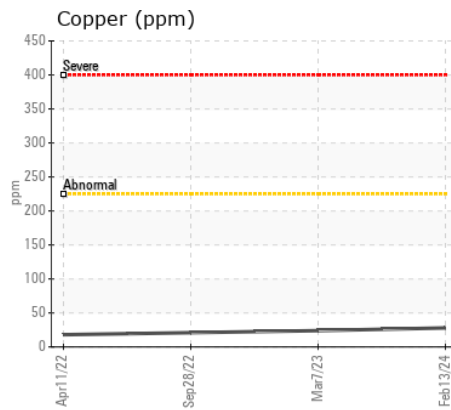
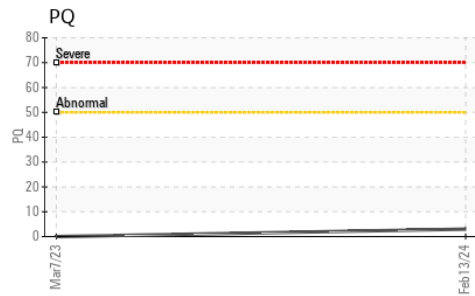
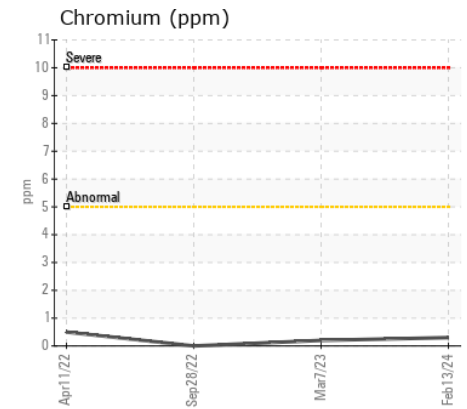
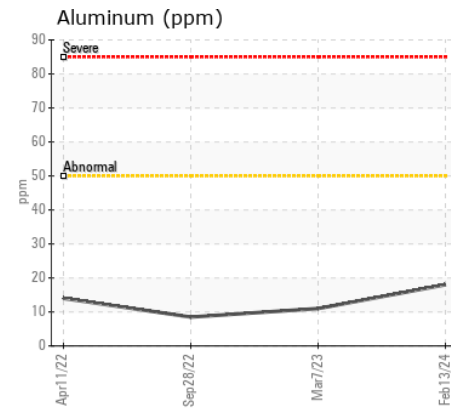
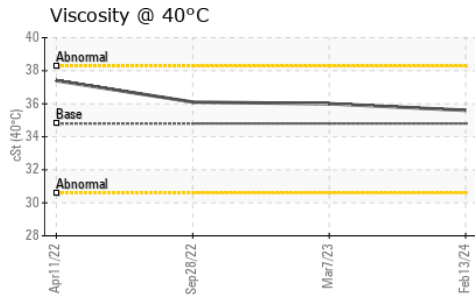
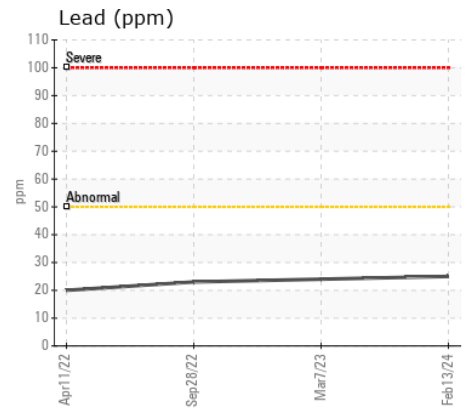
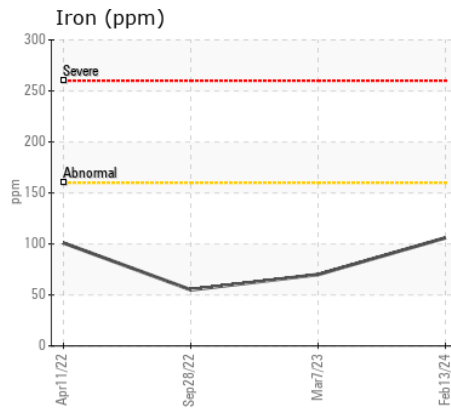
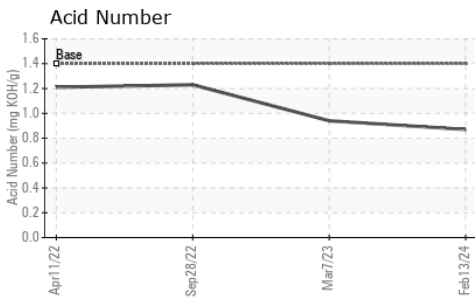
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	<b>15</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>7</b>	6	6
Boron	ppm	ASTM D5185(m)	78	<b>98</b>	105	104
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>6</b>	7	6
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	2	1
Calcium	ppm	ASTM D5185(m)	113	<b>64</b>	61	56
Phosphorus	ppm	ASTM D5185(m)	222	<b>261</b>	282	284
Zinc	ppm	ASTM D5185(m)		<b>13</b>	11	9
Sulfur	ppm	ASTM D5185(m)	1326	<b>741</b>	684	684
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	<b>0.87</b>	0.94	1.23
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	<b>35.6</b>	36.0	36.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0112409  
**Lab Number** : 02617161  
**Unique Number** : 5734271  
**Test Package** : MOB 2 ( Additional Tests: PQ )  
**Received** : 21 Feb 2024  
**Tested** : 22 Feb 2024  
**Diagnosed** : 22 Feb 2024 - Wes Davis

**GFL Environmental - 550 - Rocky View County**  
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 Rocky View County, AB  
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 calgarymaintenance@gflenv.com  
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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.