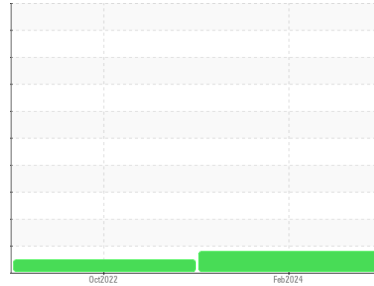




# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Machine Id  
**831052**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

## DIAGNOSIS

### Recommendation

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

Copper ppm levels are abnormal. Clutch disc wear or oil cooler leaching indicated.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0112422</b>	GFL0060230	---
Sample Date	Client Info		<b>26 Feb 2024</b>	03 Oct 2022	---
Machine Age	hrs	Client Info	<b>3582</b>	1017	---
Oil Age	hrs	Client Info	<b>1835</b>	1017	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>220	<b>104</b>	53	---
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>75	<b>29</b>	10	---
Lead	ppm	ASTM D5185(m)	>95	<b>27</b>	13	---
Copper	ppm	ASTM D5185(m)	>60	<b>87</b>	22	---
Tin	ppm	ASTM D5185(m)	>10	<b>4</b>	2	---
Antimony	ppm	ASTM D5185(m)	>2	<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)	78	<b>120</b>	156	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>3</b>	4	---
Magnesium	ppm	ASTM D5185(m)	0	<b>2</b>	2	---
Calcium	ppm	ASTM D5185(m)	113	<b>149</b>	158	---
Phosphorus	ppm	ASTM D5185(m)	222	<b>396</b>	465	---
Zinc	ppm	ASTM D5185(m)		<b>49</b>	29	---
Sulfur	ppm	ASTM D5185(m)	1326	<b>2233</b>	2475	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	7	---
Sodium	ppm	ASTM D5185(m)		<b>16</b>	14	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	4	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	<b>1.78</b>	2.15	---

