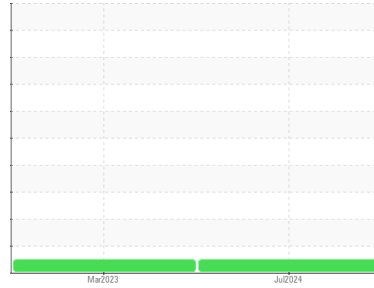




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id

**931000**

Component

**Transmission (Auto)**

Fluid

**PETRO CANADA DuraDrive HD Synthetic 668 (--- LTR)**

## 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 fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0125478</b>	GFL0064315	---
Sample Date	Client Info		<b>10 Jul 2024</b>	30 Mar 2023	---
Machine Age	hrs	Client Info	<b>9998</b>	6627	---
Oil Age	hrs	Client Info	<b>0</b>	6627	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</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) >230	<b>42</b>	70	---
Chromium	ppm	ASTM D5185(m) >2	<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) >5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >65	<b>24</b>	46	---
Lead	ppm	ASTM D5185(m) >55	<b>12</b>	30	---
Copper	ppm	ASTM D5185(m) >85	<b>56</b>	138	---
Tin	ppm	ASTM D5185(m) >5	<b>3</b>	8	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	---
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

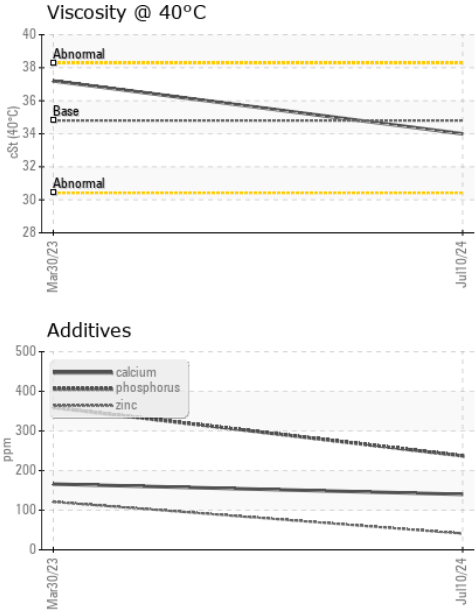
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 78	<b>69</b>	77	---
Barium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185(m) 0	<b>2</b>	6	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m) 0	<b>27</b>	89	---
Calcium	ppm	ASTM D5185(m) 113	<b>140</b>	166	---
Phosphorus	ppm	ASTM D5185(m) 222	<b>237</b>	359	---
Zinc	ppm	ASTM D5185(m)	<b>41</b>	121	---
Sulfur	ppm	ASTM D5185(m) 1326	<b>1323</b>	1026	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>4</b>	5	---
Sodium	ppm	ASTM D5185(m)	<b>4</b>	6	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	4	---



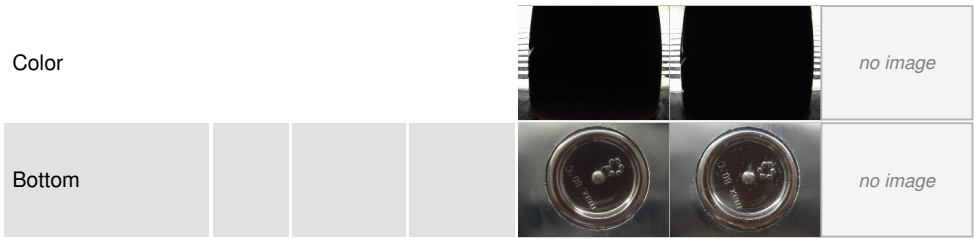
# OIL ANALYSIS REPORT



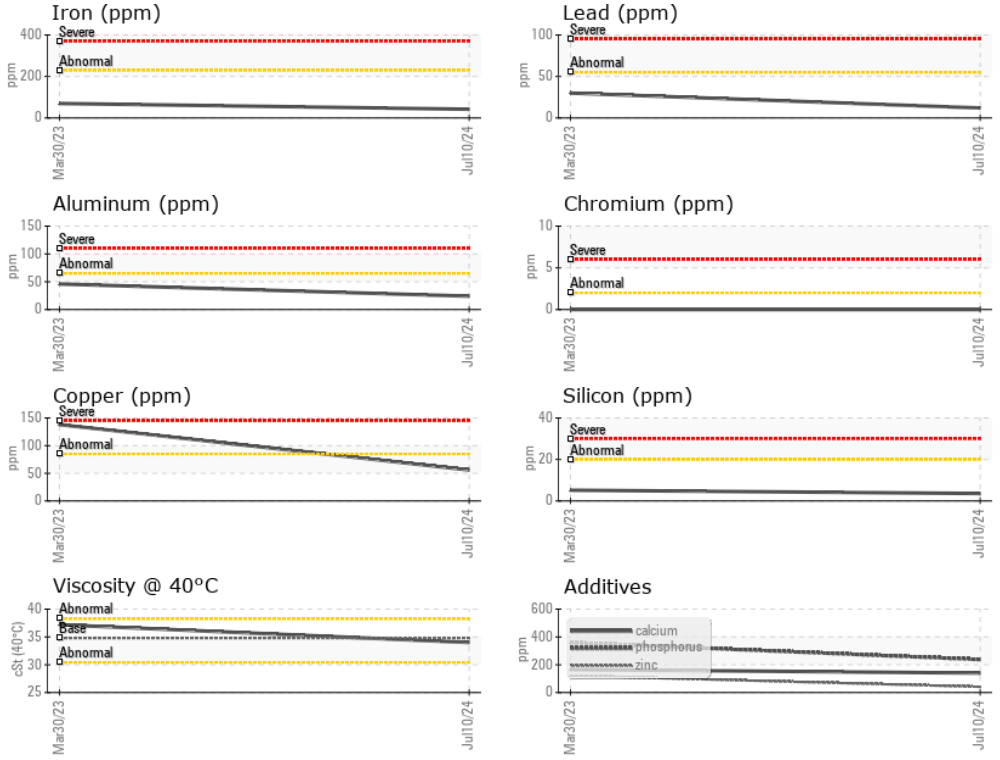
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	<b>34.0</b>	37.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0125478  
**Lab Number** : **02648176**  
**Unique Number** : 5813728  
**Test Package** : MOB 1

**Received** : 16 Jul 2024  
**Tested** : 16 Jul 2024  
**Diagnosed** : 16 Jul 2024 - Wes Davis

**GFL Environmental - 209 - Hamilton**  
 560 Seaman Street  
 Stoney Creek, ON  
 CA L8E 3X7  
 Contact: Fred Carleton  
 fred.carleton@gflenv.com  
 T: (289)925-6693  
 F: (905)664-9008

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.