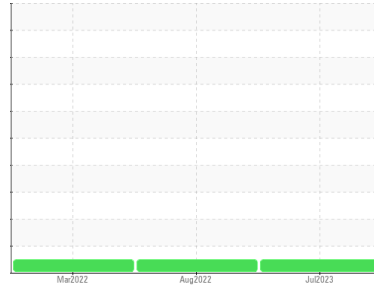




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**901075**

Component  
**Transmission (Auto)**

Fluid  
**PETRO CANADA DuraDrive HD Synthetic 668 (--- GAL)**

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0084299</b>	GFL0057791	GFL0044501
Sample Date	Client Info		<b>26 Jul 2023</b>	30 Aug 2022	09 Mar 2022
Machine Age	hrs	Client Info	<b>133823</b>	11010	0
Oil Age	hrs	Client Info	<b>0</b>	2094	0
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184*	>50	<b>15</b>	0	0	
Iron	ppm	ASTM D5185(m)	>160	<b>76</b>	60	67
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>28</b>	22	23
Lead	ppm	ASTM D5185(m)	>50	<b>37</b>	35	37
Copper	ppm	ASTM D5185(m)	>225	<b>18</b>	12	11
Tin	ppm	ASTM D5185(m)	>10	<b>3</b>	2	3
Antimony	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	78	<b>118</b>	126	152
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>1</b>	1	1
Magnesium	ppm	ASTM D5185(m)	0	<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	113	<b>112</b>	104	102
Phosphorus	ppm	ASTM D5185(m)	222	<b>332</b>	307	368
Zinc	ppm	ASTM D5185(m)		<b>8</b>	4	4
Sulfur	ppm	ASTM D5185(m)	1326	<b>1627</b>	1586	1653
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

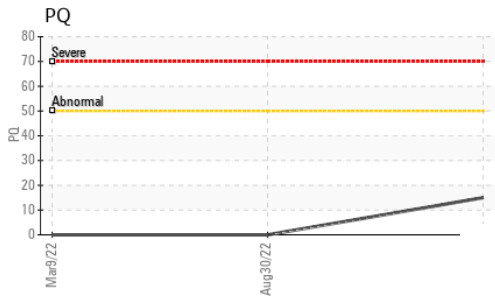
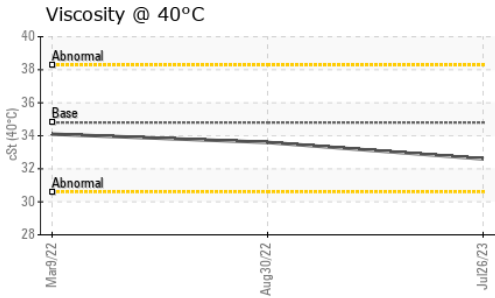
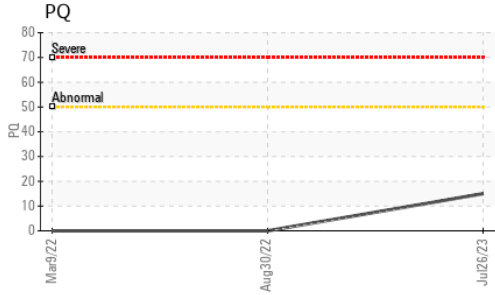
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	5	5
Sodium	ppm	ASTM D5185(m)		<b>6</b>	6	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	1.4	<b>1.44</b>	1.27	1.39



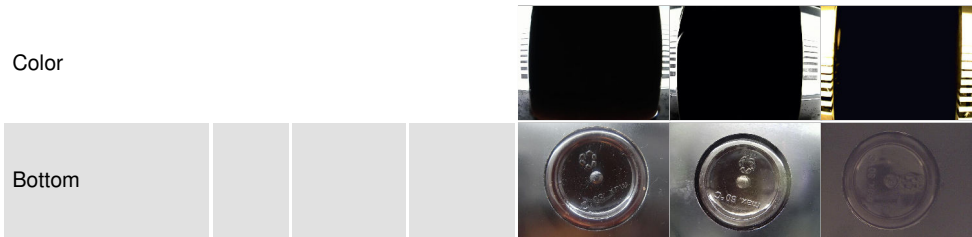
# OIL ANALYSIS REPORT



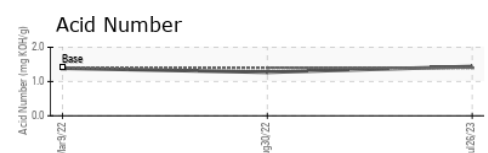
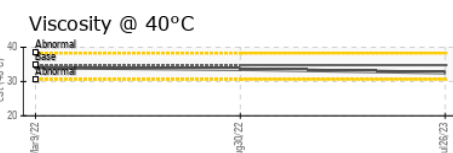
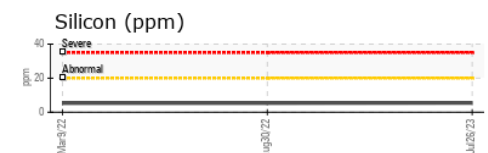
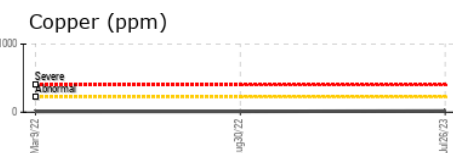
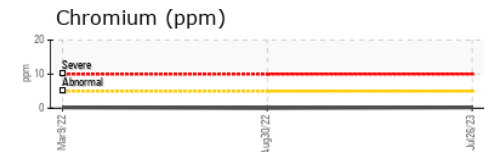
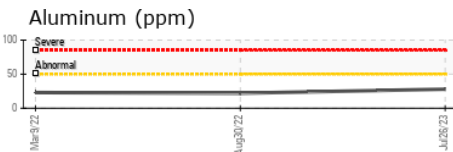
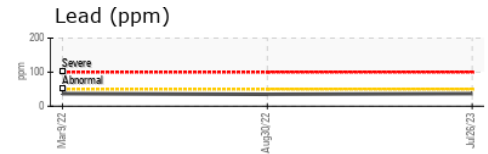
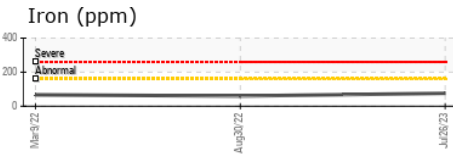
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	34.8	<b>32.6</b>	33.6	34.1

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



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County  
**Sample No.** : GFL0084299 **Received** : 02 Aug 2023  
**Lab Number** : **02573765** **Diagnosed** : 03 Aug 2023  
**Unique Number** : 5618816 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: PQ, TAN Man )

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.

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