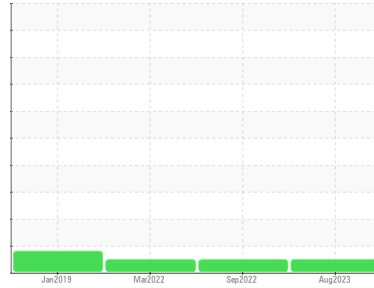




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**201042**

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>GFL0084316</b>	GFL0057819	GFL0049143
Sample Date	Client Info	<b>09 Aug 2023</b>	07 Sep 2022	22 Mar 2022
Machine Age	kms Client Info	<b>391695</b>	8416	367007
Oil Age	kms Client Info	<b>0</b>	1495	0
Oil Changed	Client Info	<b>Not Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >50	<b>0</b>	---	14
Iron	ppm ASTM D5185(m) >160	<b>136</b>	131	137
Chromium	ppm ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Nickel	ppm ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Titanium	ppm ASTM D5185(m)	<b>&lt;1</b>	0	0
Silver	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185(m) >50	<b>38</b>	36	36
Lead	ppm ASTM D5185(m) >50	<b>36</b>	35	34
Copper	ppm ASTM D5185(m) >225	<b>50</b>	50	43
Tin	ppm ASTM D5185(m) >10	<b>1</b>	1	1
Antimony	ppm ASTM D5185(m)	<b>0</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>124</b>	125	126
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Molybdenum	ppm ASTM D5185(m) 0	<b>0</b>	0	<1
Manganese	ppm ASTM D5185(m)	<b>4</b>	4	4
Magnesium	ppm ASTM D5185(m) 0	<b>&lt;1</b>	<1	<1
Calcium	ppm ASTM D5185(m) 113	<b>70</b>	69	66
Phosphorus	ppm ASTM D5185(m) 222	<b>334</b>	331	322
Zinc	ppm ASTM D5185(m)	<b>16</b>	13	12
Sulfur	ppm ASTM D5185(m) 1326	<b>797</b>	821	775
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

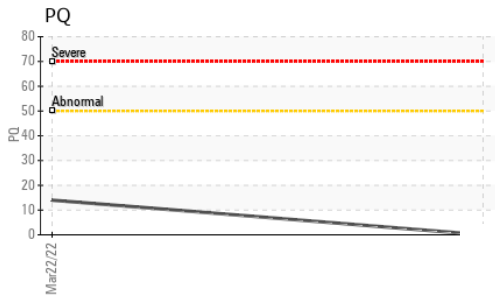
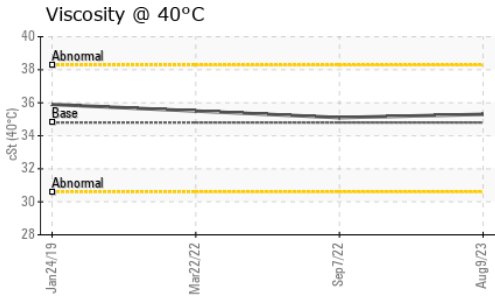
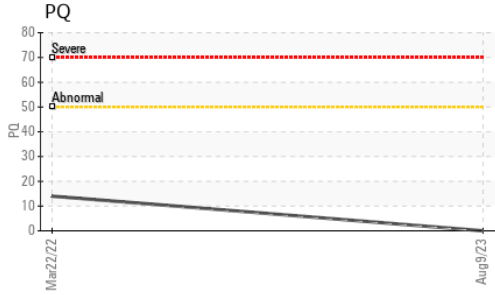
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	<b>10</b>	8	8
Sodium	ppm ASTM D5185(m)	<b>8</b>	8	7
Potassium	ppm ASTM D5185(m) >20	<b>3</b>	2	2

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 1.4	<b>1.14</b>	1.44	1.11



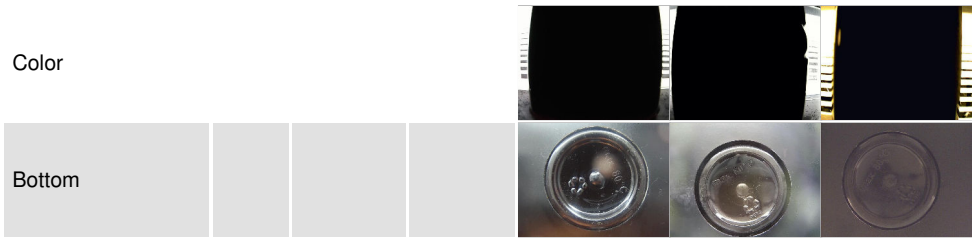
# OIL ANALYSIS REPORT



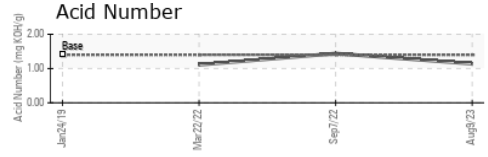
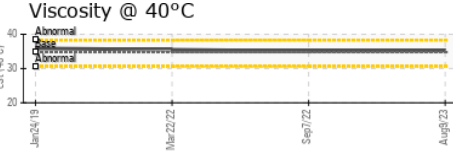
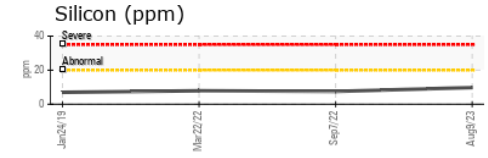
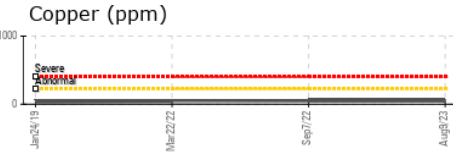
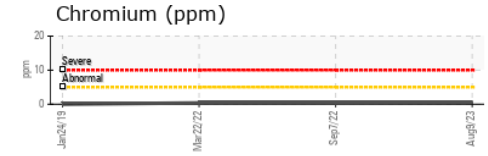
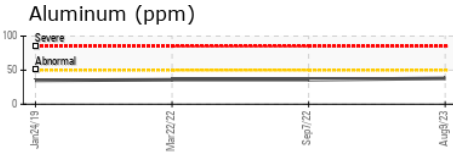
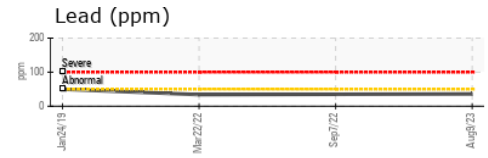
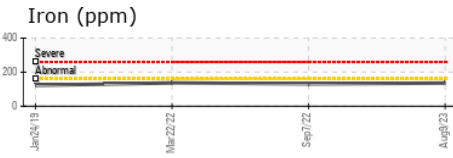
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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>35.3</b>	35.1

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County  
**Sample No.** : GFL0084316 **Received** : 15 Aug 2023  
**Lab Number** : **02575964** **Diagnosed** : 16 Aug 2023  
**Unique Number** : 5629024 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: PQ )

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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