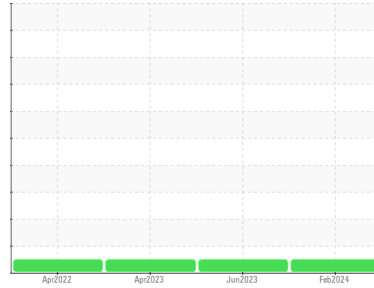




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**Or392**

Component  
**Rear Differential**

Fluid  
**PETRO CANADA DURATRAN (22 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>GFL0092312</b>	GFL0056416	GFL0056396
Sample Date	Client Info			<b>09 Feb 2024</b>	12 Jun 2023	17 Apr 2023
Machine Age	hrs	Client Info		<b>9715</b>	8240	8240
Oil Age	hrs	Client Info		<b>898</b>	1400	1000
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	NEG

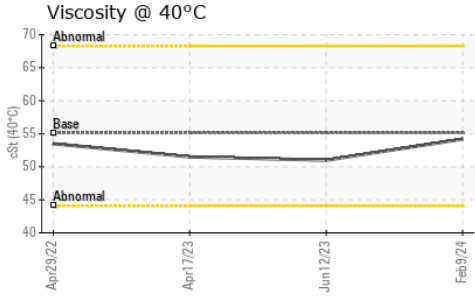
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>97</b>	250	194
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>2</b>	1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>25	<b>1</b>	2	<1
Copper	ppm	ASTM D5185(m)	>100	<b>14</b>	14	11
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
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)	110	<b>71</b>	4	4
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>2</b>	1	1
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185(m)	13	<b>39</b>	104	102
Calcium	ppm	ASTM D5185(m)	3610	<b>3208</b>	3509	3541
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1070</b>	1139	1108
Zinc	ppm	ASTM D5185(m)	1455	<b>1265</b>	1233	1199
Sulfur	ppm	ASTM D5185(m)	2641	<b>3145</b>	3328	3434
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	8	5

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>19</b>	20	23
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	6	8
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	2



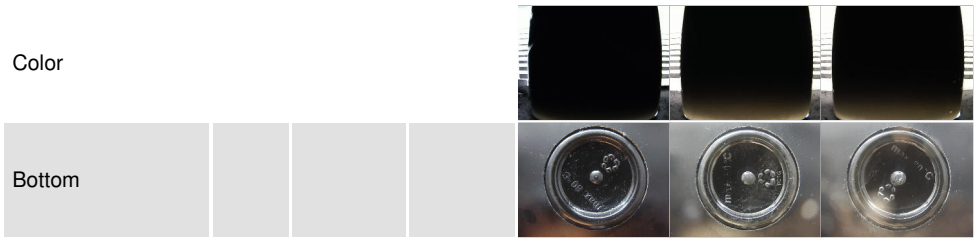
# OIL ANALYSIS REPORT



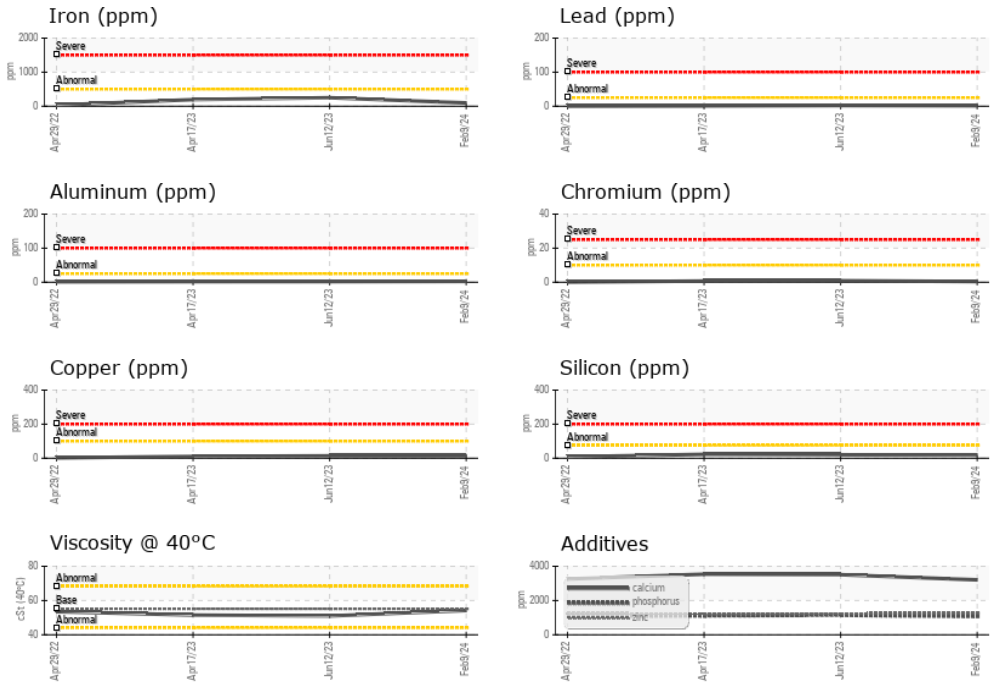
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>54.2</b>	51.0	51.5

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0092312  
**Lab Number** : 02615430  
**Unique Number** : 5724525  
**Test Package** : MOB 1  
**Received** : 13 Feb 2024  
**Tested** : 14 Feb 2024  
**Diagnosed** : 14 Feb 2024 - Wes Davis

**GFL Environmental - 720 - Lafleche - Landfill**  
 17125 Lafleche Road,  
 Moose Creek, ON  
 CA K0C 1W0  
 Contact: Charles Bergeron  
 cbergeron@gflenv.com  
 T: (613)538-4853  
 F:

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.