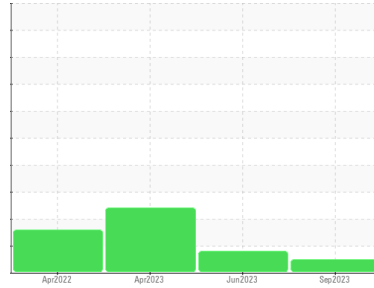




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

Or392

Component

Front Differential

Fluid

PETRO CANADA DURATRAN (--- 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	GFL0092201	GFL0056449	GFL0056395
Sample Date	Client Info	15 Sep 2023	12 Jun 2023	17 Apr 2023
Machine Age	hrs	8240	8240	8240
Oil Age	hrs	500	1400	1000
Oil Changed	Client Info	Changed	Changed	Not Changed
Sample Status		NORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >500	205	▲ 1747	▲ 1450
Chromium	ppm	ASTM D5185(m) >10	<1	7	5
Nickel	ppm	ASTM D5185(m) >10	1	5	4
Titanium	ppm	ASTM D5185(m)	<1	<1	<1
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	<1	4	4
Lead	ppm	ASTM D5185(m) >25	<1	7	4
Copper	ppm	ASTM D5185(m) >100	11	49	41
Tin	ppm	ASTM D5185(m) >10	<1	4	3
Antimony	ppm	ASTM D5185(m) >5	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	<1	<1
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	<1

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 110	13	7	13
Barium	ppm	ASTM D5185(m) 0.0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 0.0	4	2	2
Manganese	ppm	ASTM D5185(m) 1	2	11	10
Magnesium	ppm	ASTM D5185(m) 13	54	81	79
Calcium	ppm	ASTM D5185(m) 3610	2390	2567	2565
Phosphorus	ppm	ASTM D5185(m) 1192	1008	1117	1124
Zinc	ppm	ASTM D5185(m) 1455	1047	1171	1224
Sulfur	ppm	ASTM D5185(m) 2641	3250	3125	3598
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

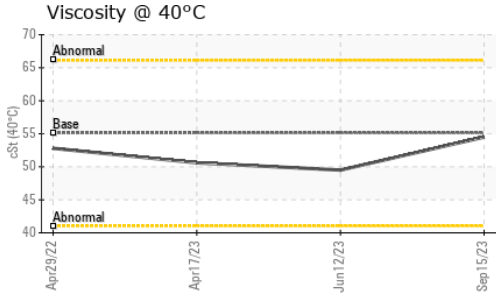
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >75	11	50	47
Sodium	ppm	ASTM D5185(m)	1	7	9
Potassium	ppm	ASTM D5185(m) >20	0	2	5

VISUAL

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

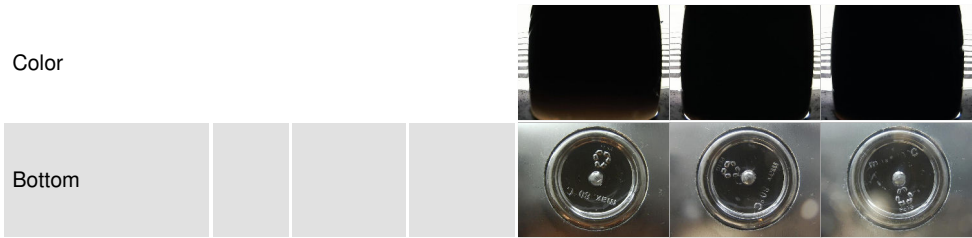


OIL ANALYSIS REPORT

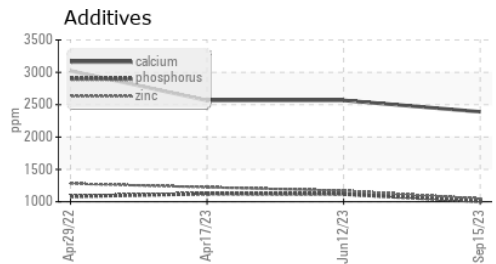
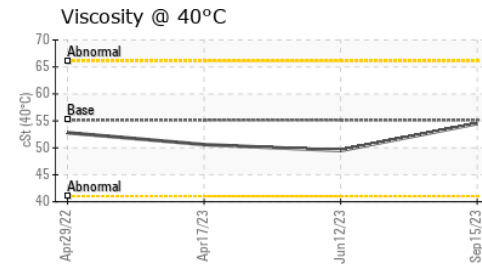
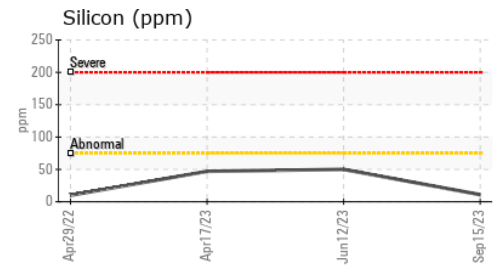
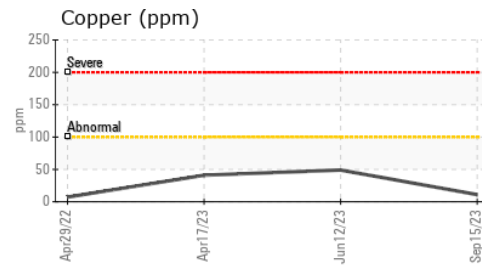
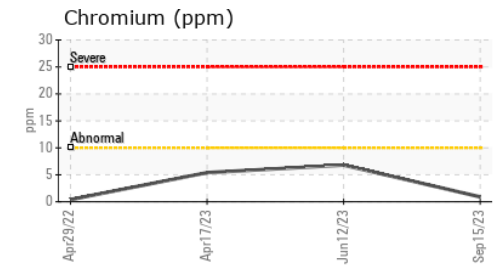
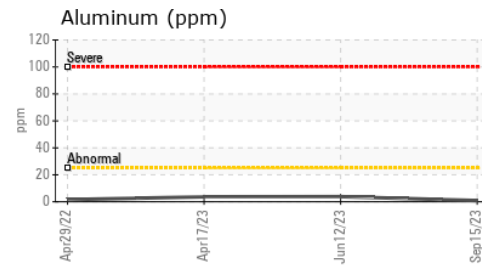
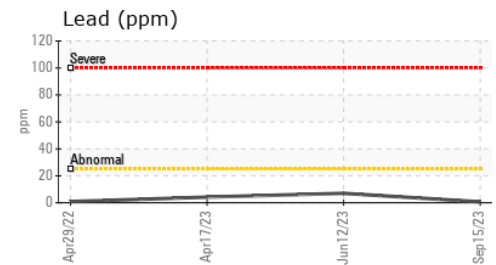
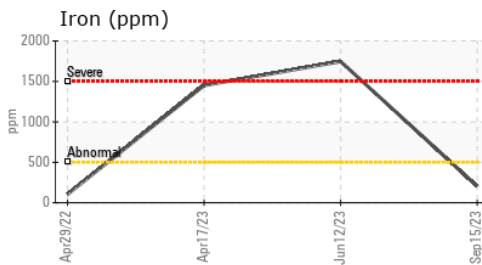


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	54.5	49.5	50.6

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 - 720 - Lafleche - Landfill
Sample No. : GFL0092201 **Received** : 21 Sep 2023
Lab Number : 02584500 **Diagnosed** : 21 Sep 2023
Unique Number : 5645565 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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 T: (613)538-4853
 F: