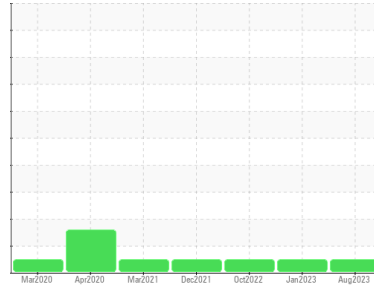




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
OR500

Component
Front Differential

Fluid
PETRO CANADA DURATRAN (68 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 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		GFL0087407	GFL0064921	GFL0049025
Sample Date	Client Info		02 Aug 2023	30 Jan 2023	27 Oct 2022
Machine Age	hrs	Client Info	17633	16910	16235
Oil Age	hrs	Client Info	723	16910	850
Oil Changed	Client Info		Not Chngd	Changed	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	95	253	118
Chromium	ppm	ASTM D5185(m) >10	<1	<1	<1
Nickel	ppm	ASTM D5185(m) >10	0	<1	<1
Titanium	ppm	ASTM D5185(m)	<1	<1	<1
Silver	ppm	ASTM D5185(m)	0	3	0
Aluminum	ppm	ASTM D5185(m) >25	2	1	<1
Lead	ppm	ASTM D5185(m) >25	4	3	3
Copper	ppm	ASTM D5185(m) >100	8	15	11
Tin	ppm	ASTM D5185(m) >10	<1	1	<1
Antimony	ppm	ASTM D5185(m) >5	<1	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 110	99	86	72
Barium	ppm	ASTM D5185(m) 0.0	<1	0	0
Molybdenum	ppm	ASTM D5185(m) 0.0	4	6	4
Manganese	ppm	ASTM D5185(m) 1	2	3	2
Magnesium	ppm	ASTM D5185(m) 13	41	34	29
Calcium	ppm	ASTM D5185(m) 3610	3422	3251	2906
Phosphorus	ppm	ASTM D5185(m) 1192	1114	1127	1100
Zinc	ppm	ASTM D5185(m) 1455	1291	1327	1198
Sulfur	ppm	ASTM D5185(m) 2641	2742	4047	3893
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

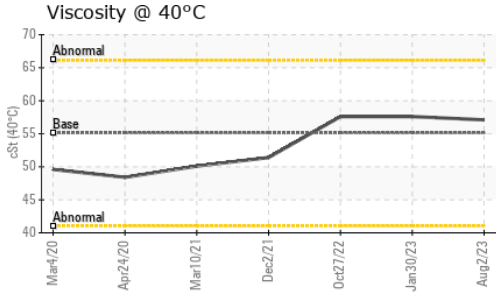
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	13	10	8
Sodium	ppm	ASTM D5185(m)	2	4	4
Potassium	ppm	ASTM D5185(m) >20	<1	0	0

VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
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	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

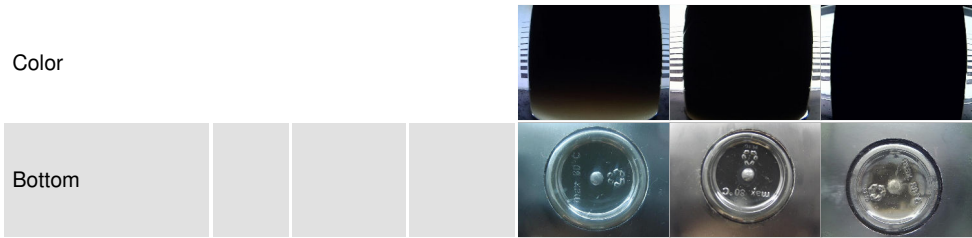


OIL ANALYSIS REPORT

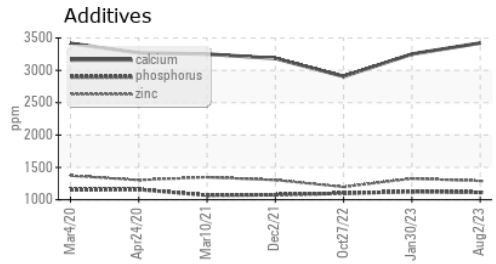
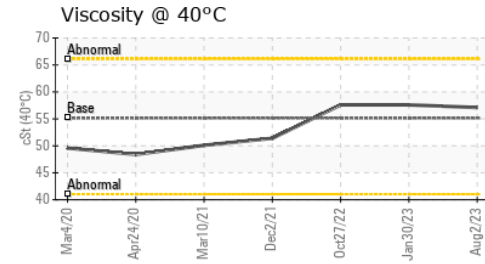
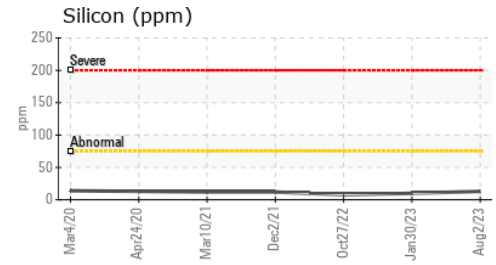
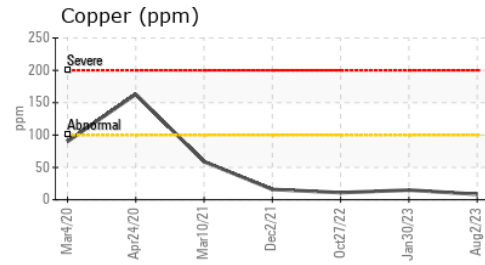
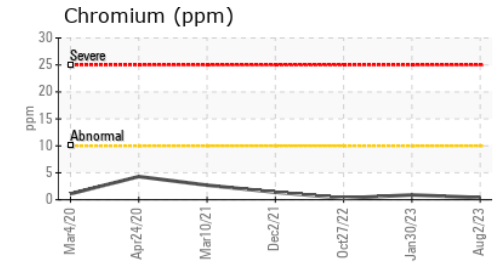
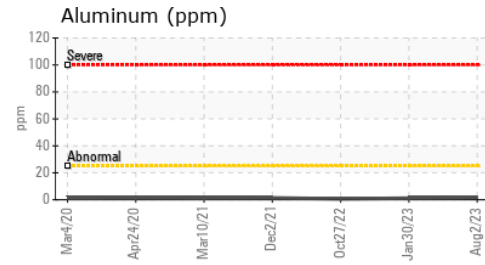
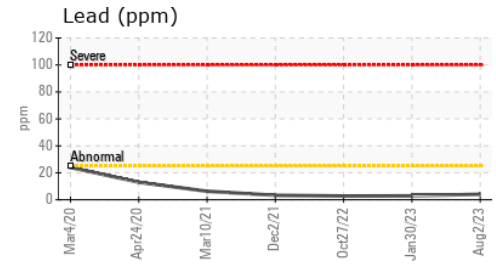
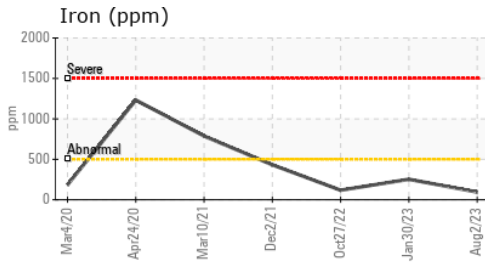


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	57.1	57.6	57.6

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. : GFL0087407 **Received** : 11 Aug 2023 17125 Lafleche Road,
Lab Number : 02575422 **Diagnosed** : 11 Aug 2023 Moose Creek, ON
Unique Number : 5620473 **Diagnostician** : Wes Davis CA K0C 1W0
Test Package : MOB 1 Contact: Charles Bergeron
 cbergeron@gflenv.com

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.