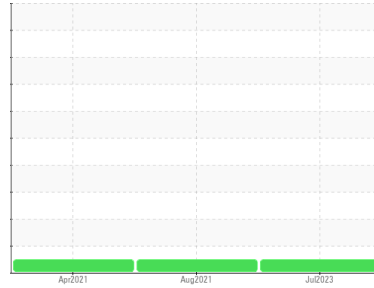




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
OR455

Component
Front Left Final Drive

Fluid
PETRO CANADA TRAXON XL SYN BLEND 80W140 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0087352	GFL0030470	GFL0010858
Sample Date	Client Info		21 Jul 2023	24 Aug 2021	07 Apr 2021
Machine Age	hrs	Client Info	16560	12381	11976
Oil Age	hrs	Client Info	3581	2000	1500
Oil Changed		Client Info	Changed	Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	182	623	637
Chromium	ppm	ASTM D5185(m) >10	2	7	8
Nickel	ppm	ASTM D5185(m)	<1	1	1
Titanium	ppm	ASTM D5185(m)	<1	<1	<1
Silver	ppm	ASTM D5185(m)	0	<1	<1
Aluminum	ppm	ASTM D5185(m) >25	2	3	3
Lead	ppm	ASTM D5185(m) >25	0	<1	<1
Copper	ppm	ASTM D5185(m) >50	3	12	10
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m)	0	<1	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) 246	180	76	83
Barium	ppm	ASTM D5185(m) 1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	<1	<1	<1
Manganese	ppm	ASTM D5185(m)	2	4	5
Magnesium	ppm	ASTM D5185(m) 1	2	<1	1
Calcium	ppm	ASTM D5185(m) 2	21	19	17
Phosphorus	ppm	ASTM D5185(m) 976	955	1071	958
Zinc	ppm	ASTM D5185(m) 3	39	37	35
Sulfur	ppm	ASTM D5185(m) 15600	15444	19004	18810
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

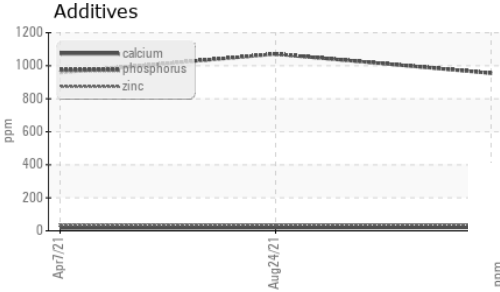
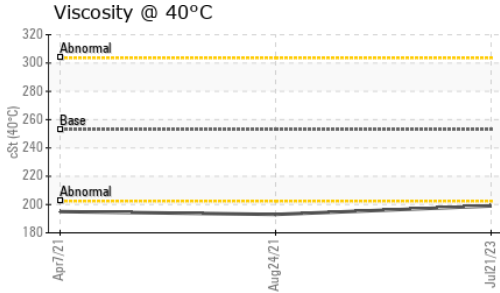
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	7	12	13
Sodium	ppm	ASTM D5185(m)	<1	2	2
Potassium	ppm	ASTM D5185(m) >20	<1	2	1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	VLITE	LTMOD
Yellow Metal	scalar	Visual* NONE	NONE	NONE	NONE
Precipitate	scalar	Visual* NONE	NONE	NONE	NONE
Silt	scalar	Visual* NONE	VLITE	NONE	LIGHT
Debris	scalar	Visual* NONE	VLITE	VLITE	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* >0.2	NEG	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG	NEG



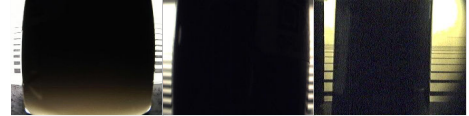
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	199	193	195

SAMPLE IMAGES		method	limit/base	current	history1	history2
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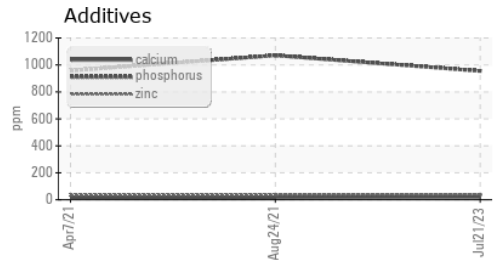
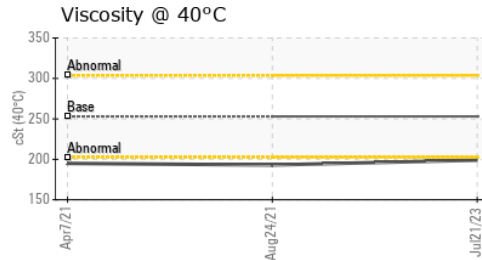
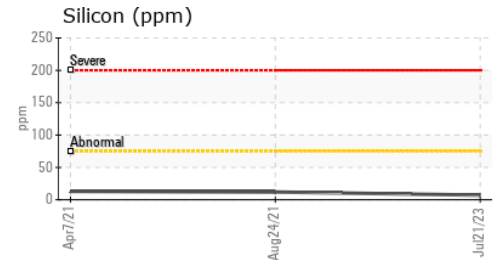
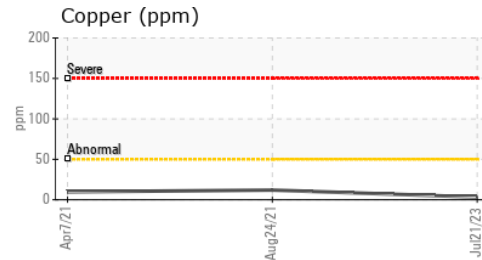
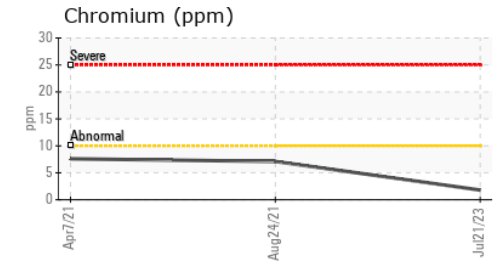
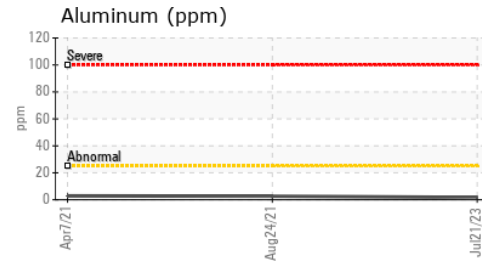
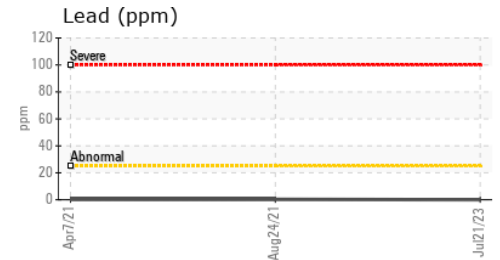
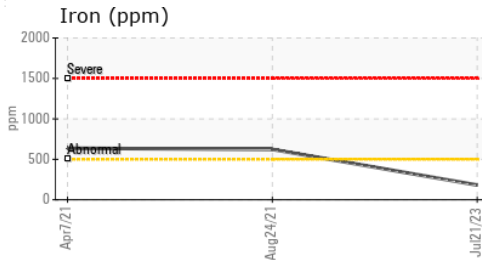
Color



Bottom



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 720 - Lafleche - Landfill
Sample No. : GFL0087352 **Received** : 25 Jul 2023
Lab Number : 02572018 **Diagnosed** : 25 Jul 2023
Unique Number : 5617069 **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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