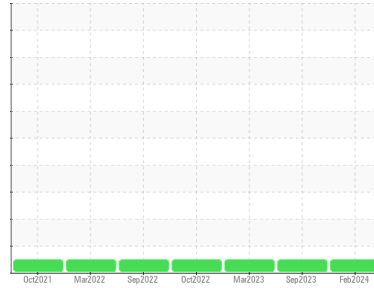




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
731104
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (--- 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 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	GFL0110220	GFL0085880	GFL0064297
Sample Date	Client Info	01 Feb 2024	01 Sep 2023	27 Mar 2023
Machine Age	hrs	7091	5935	4799
Oil Age	hrs	1200	1200	1200
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >50	13	13	15
Chromium	ppm ASTM D5185(m) >4	1	1	2
Nickel	ppm ASTM D5185(m) >2	<1	<1	<1
Titanium	ppm ASTM D5185(m)	0	0	<1
Silver	ppm ASTM D5185(m) >3	0	0	0
Aluminum	ppm ASTM D5185(m) >9	2	1	2
Lead	ppm ASTM D5185(m) >30	4	5	3
Copper	ppm ASTM D5185(m) >35	1	2	2
Tin	ppm ASTM D5185(m) >4	<1	<1	<1
Antimony	ppm ASTM D5185(m)	0	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) 50	9	8	11
Barium	ppm ASTM D5185(m) 5	0	0	0
Molybdenum	ppm ASTM D5185(m) 50	63	60	62
Manganese	ppm ASTM D5185(m) 0	0	<1	<1
Magnesium	ppm ASTM D5185(m) 560	594	623	664
Calcium	ppm ASTM D5185(m) 1510	1756	1697	1901
Phosphorus	ppm ASTM D5185(m) 780	751	764	857
Zinc	ppm ASTM D5185(m) 870	988	962	1048
Sulfur	ppm ASTM D5185(m) 2040	2277	2060	2192
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >+100	4	4	4
Sodium	ppm ASTM D5185(m)	7	8	10
Potassium	ppm ASTM D5185(m) >20	<1	<1	<1

INFRA-RED

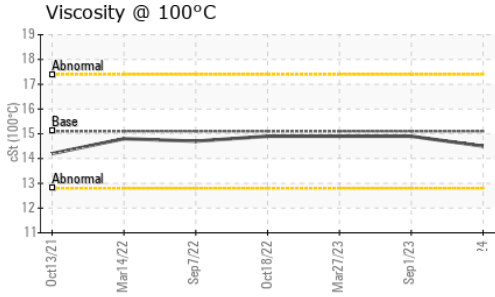
method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	0	0
Nitration	Abs/cm ASTM D7624*	11.7	12.7	11.1
Sulfation	Abs/.1mm ASTM D7415*	25.4	27.5	25.7

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414*	20.2	21.8	18.1



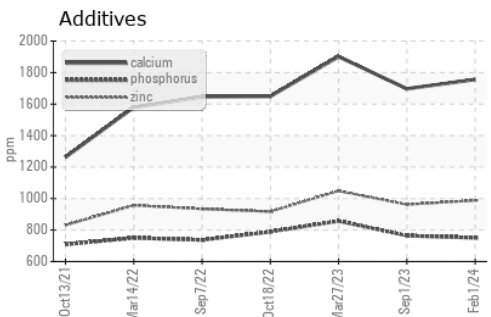
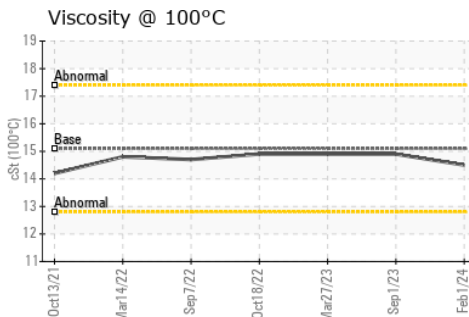
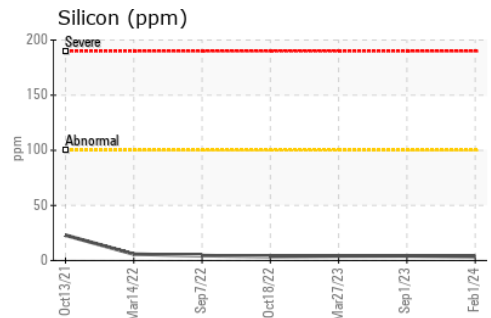
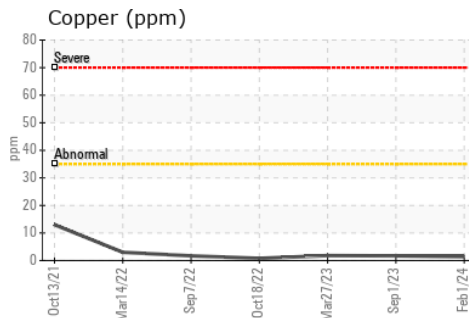
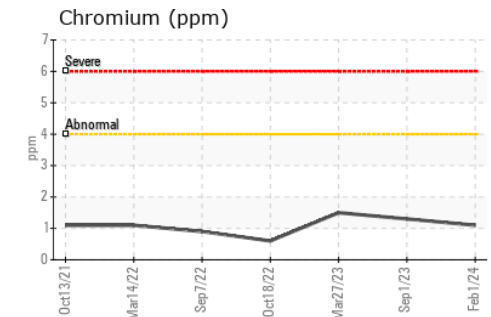
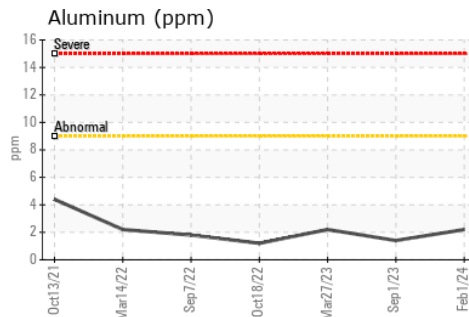
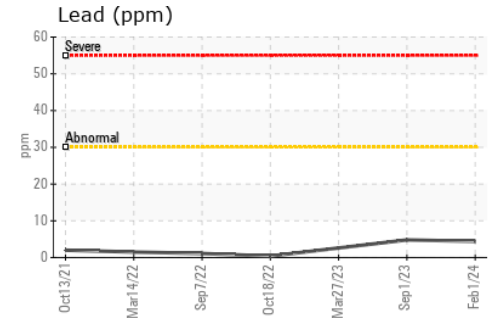
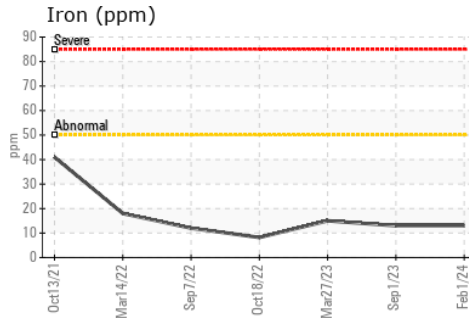
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.5	14.9

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 209 - Hamilton**
Sample No. : GFL0110220 **Received** : 05 Feb 2024 **560 Seaman Street**
Lab Number : 02613365 **Diagnosed** : 05 Feb 2024 **Stoney Creek, ON**
Unique Number : 5722460 **Diagnostician** : Wes Davis **CA L8E 3X7**
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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