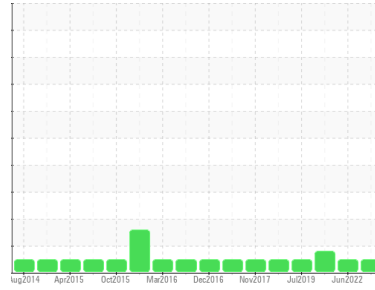




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
7936
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (24 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		GFL0097576	GFL0049976	GFL0034062
Sample Date	Client Info		15 Feb 2024	24 Jun 2022	13 Sep 2021
Machine Age	hrs	Client Info	11258	8813	6760
Oil Age	hrs	Client Info	904	1525	1200
Oil Changed	Client Info		Changed	Changed	Not Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

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	22	21	6
Chromium	ppm	ASTM D5185(m)	>4	2	1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>9	7	2	<1
Lead	ppm	ASTM D5185(m)	>30	17	10	<1
Copper	ppm	ASTM D5185(m)	>35	4	5	3
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	5	7	1
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	61	56	0
Manganese	ppm	ASTM D5185(m)	0	1	1	<1
Magnesium	ppm	ASTM D5185(m)	560	540	605	2
Calcium	ppm	ASTM D5185(m)	1510	1775	1725	48
Phosphorus	ppm	ASTM D5185(m)	780	736	752	318
Zinc	ppm	ASTM D5185(m)	870	941	952	360
Sulfur	ppm	ASTM D5185(m)	2040	2192	2104	1168
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>+100	6	4	1
Sodium	ppm	ASTM D5185(m)		29	14	3
Potassium	ppm	ASTM D5185(m)	>20	17	2	<1
Glycol	%	ASTM D7922*		0.0	---	---

INFRA-RED

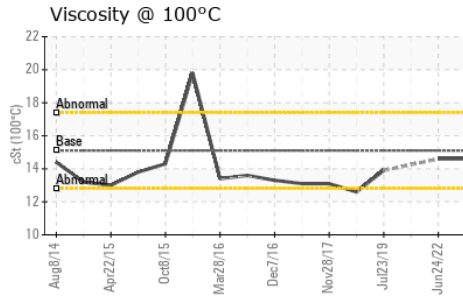
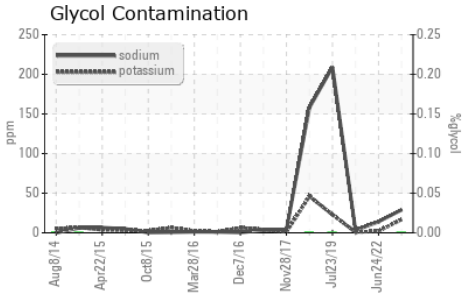
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	13.4	13.3	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.5	28.4	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.7	21.8	---



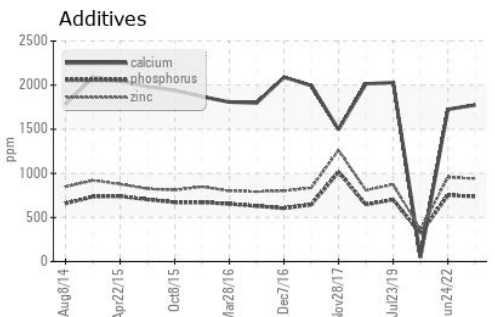
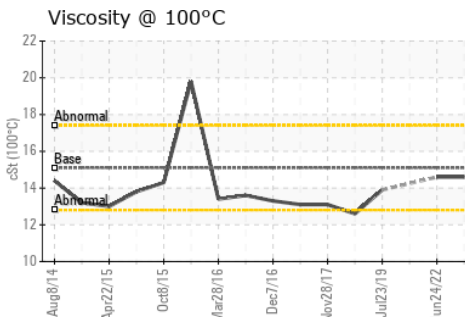
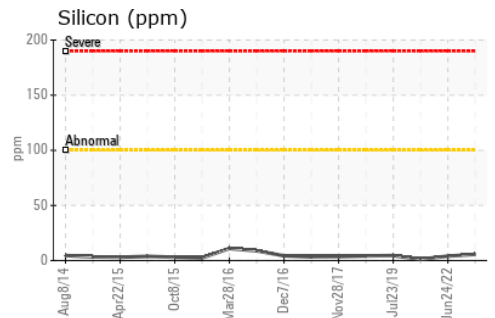
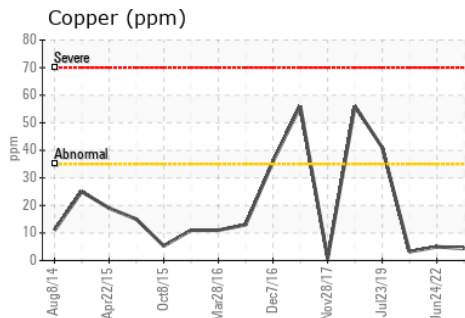
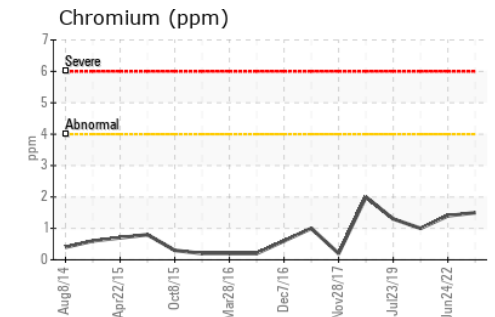
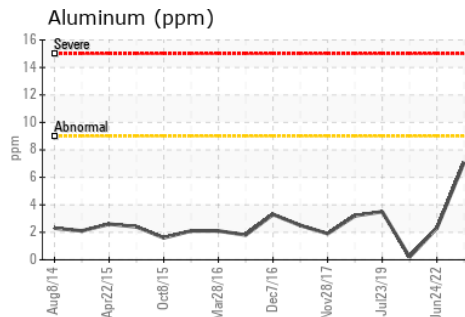
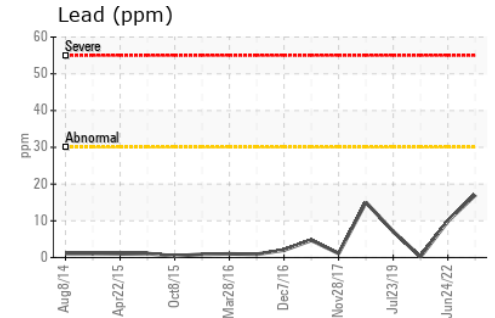
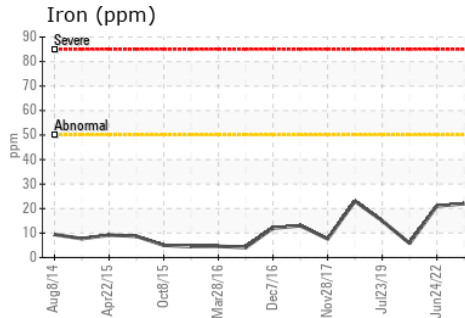
OIL ANALYSIS REPORT



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	14.6	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0097576 **Received** : 20 Feb 2024
Lab Number : 02616628 **Tested** : 20 Feb 2024
Unique Number : 5733738 **Diagnosed** : 20 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental - 216
 15 Bermondsey Road
 Toronto, ON
 CA M4B 1Y9
 Contact: Tom Hatzioannidis
 thatzioannidis@gflenv.com
 T: (416)678-9340
 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.