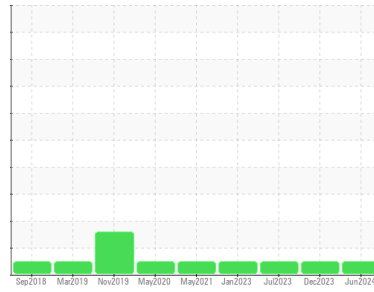




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
7106
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (26 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		GFL0126208	GFL0097537	GFL0088930
Sample Date	Client Info		23 Jun 2024	27 Dec 2023	24 Jul 2023
Machine Age	hrs	Client Info	16095	14940	13998
Oil Age	hrs	Client Info	1155	942	12992
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	19	14	15
Chromium	ppm	ASTM D5185(m) >4	1	<1	1
Nickel	ppm	ASTM D5185(m) >2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m) >3	0	0	0
Aluminum	ppm	ASTM D5185(m) >9	2	3	2
Lead	ppm	ASTM D5185(m) >30	4	<1	1
Copper	ppm	ASTM D5185(m) >35	1	2	2
Tin	ppm	ASTM D5185(m) >4	0	<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	7	8	12
Barium	ppm	ASTM D5185(m) 5	0	0	0
Molybdenum	ppm	ASTM D5185(m) 50	56	54	54
Manganese	ppm	ASTM D5185(m) 0	<1	0	<1
Magnesium	ppm	ASTM D5185(m) 560	591	566	584
Calcium	ppm	ASTM D5185(m) 1510	1722	1649	1652
Phosphorus	ppm	ASTM D5185(m) 780	730	695	766
Zinc	ppm	ASTM D5185(m) 870	944	917	925
Sulfur	ppm	ASTM D5185(m) 2040	1985	2071	1994
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >+100	3	3	3
Sodium	ppm	ASTM D5185(m)	9	9	8
Potassium	ppm	ASTM D5185(m) >20	<1	2	<1

INFRA-RED

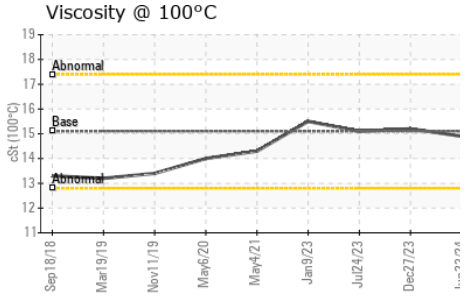
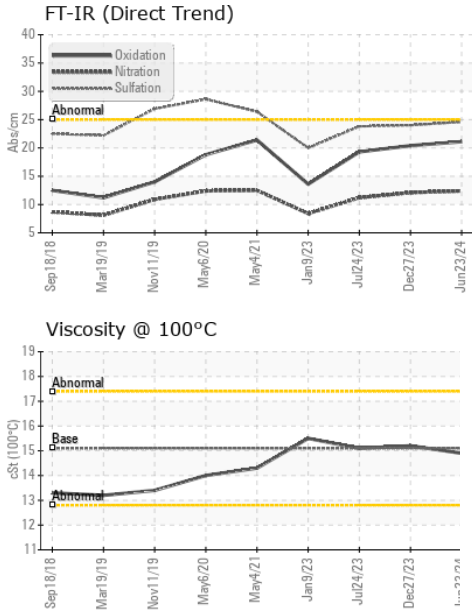
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	0
Nitration	Abs/cm	ASTM D7624*	12.4	12.1	11.2
Sulfation	Abs/.1mm	ASTM D7415*	24.6	24.0	23.8

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	21.1	20.4	19.3



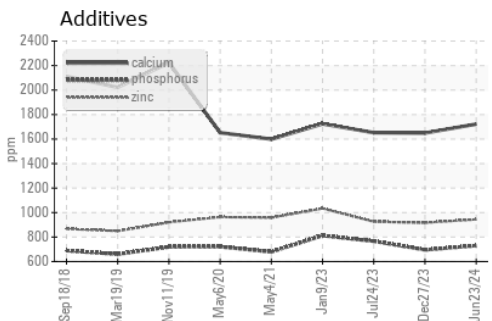
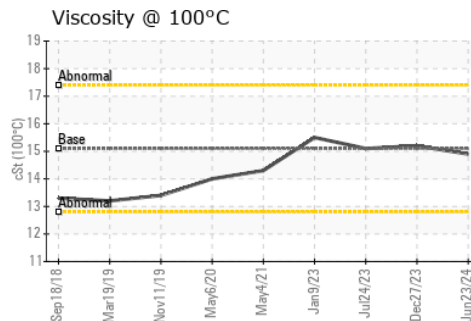
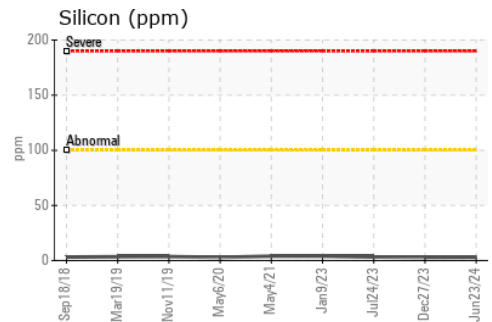
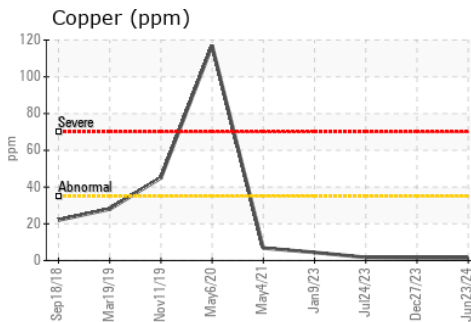
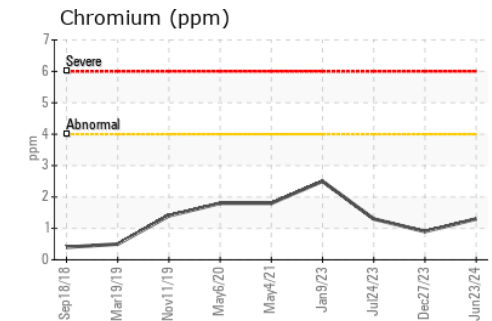
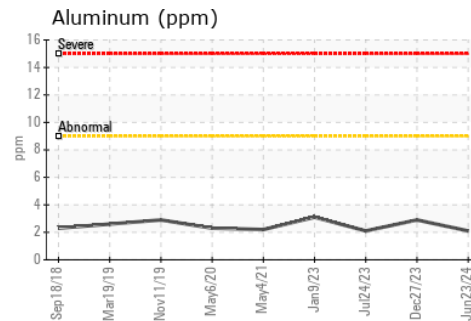
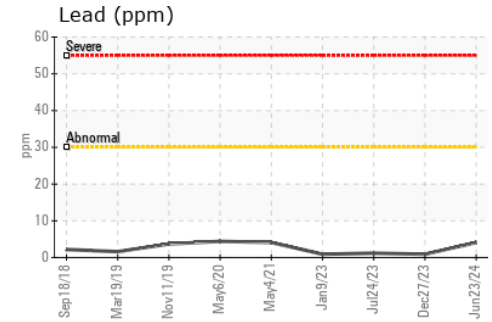
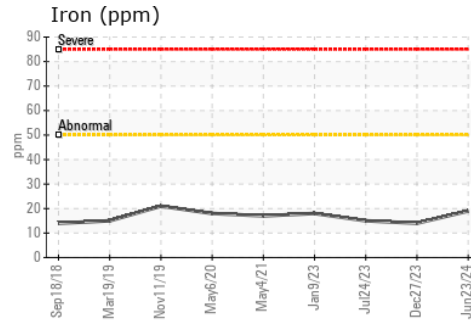
OIL ANALYSIS REPORT



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

PARAMETER	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.9	15.2

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0126208
Lab Number : 02644332
Unique Number : 5801871
Test Package : MOB 1
Received : 27 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 27 Jun 2024 - Wes Davis

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.