



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
9148
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (27 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0061146	GFL0061111	GFL0074287
Sample Date		Client Info		14 Jun 2024	02 Oct 2023	11 Jul 2023
Machine Age	hrs	Client Info		19386	17587	17014
Oil Age	hrs	Client Info		1209	573	2447
Filter Age	hrs	Client Info		1209	573	2447
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	22	23	▲ 110
Chromium	ppm	ASTM D5185(m)	>4	1	2	▲ 7
Nickel	ppm	ASTM D5185(m)	>2	1	<1	▲ 3
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>9	7	5	▲ 21
Lead	ppm	ASTM D5185(m)	>30	10	4	18
Copper	ppm	ASTM D5185(m)	>35	17	91	223
Tin	ppm	ASTM D5185(m)	>4	<1	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

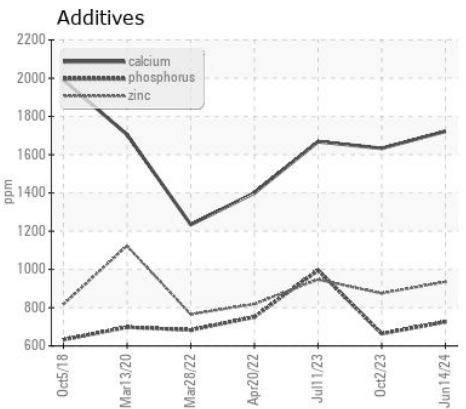
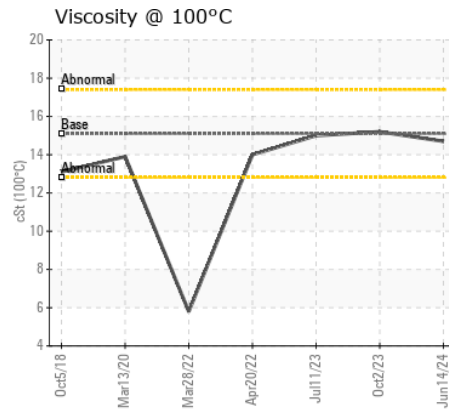
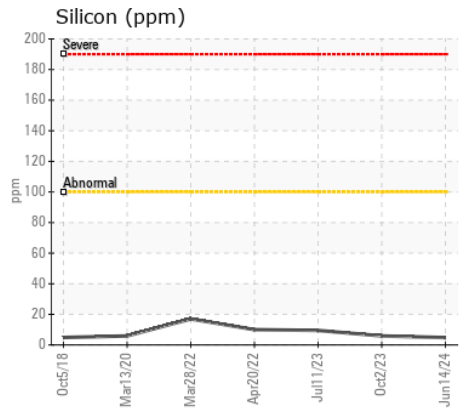
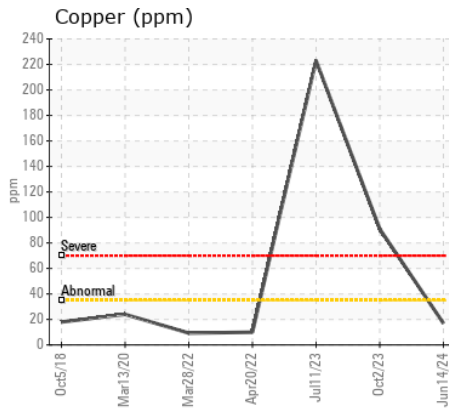
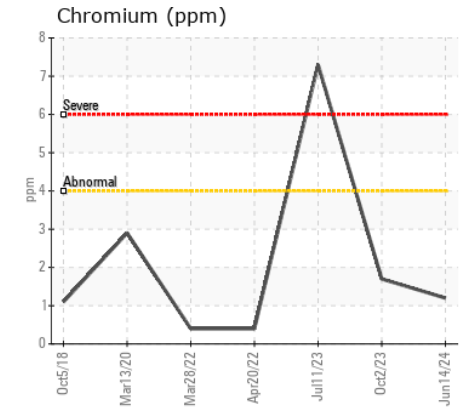
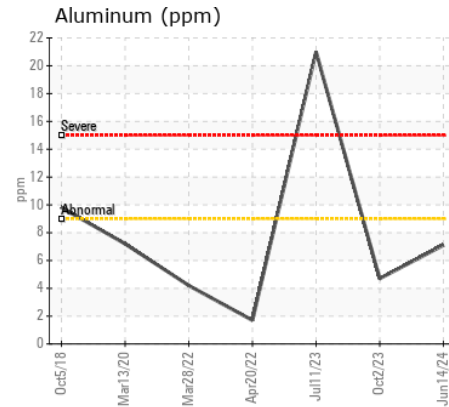
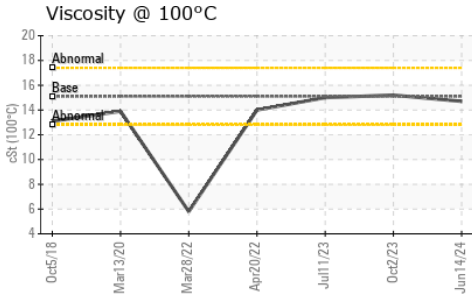
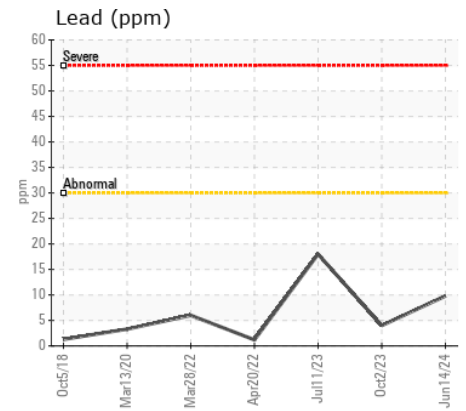
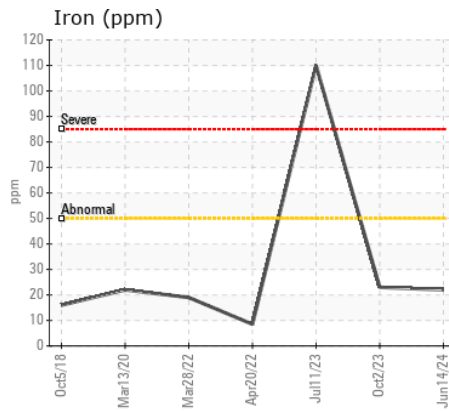
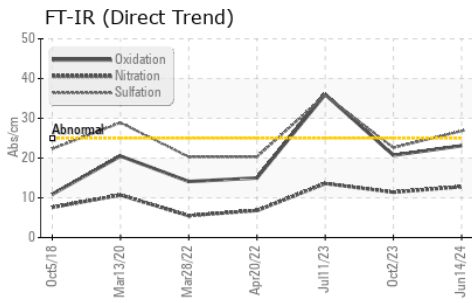
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	5	6	10
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	---	0.0
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.8	11.4	13.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.8	22.6	35.8
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		10	8	10
Boron	ppm	ASTM D5185(m)	50	6	7	4
Barium	ppm	ASTM D5185(m)	5	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	55	53	59
Manganese	ppm	ASTM D5185(m)	0	<1	<1	4
Magnesium	ppm	ASTM D5185(m)	560	582	574	657
Calcium	ppm	ASTM D5185(m)	1510	1722	1633	1668
Phosphorus	ppm	ASTM D5185(m)	780	726	664	996
Zinc	ppm	ASTM D5185(m)	870	935	875	947
Sulfur	ppm	ASTM D5185(m)	2040	1936	1723	1939
Oxidation	Abs/.1mm	ASTM D7414*	>25	23.1	20.7	36.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.7	15.2	15.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0061146 **Received** : 17 Jun 2024
Lab Number : 02642314 **Tested** : 18 Jun 2024
Unique Number : 5799853 **Diagnosed** : 18 Jun 2024 - 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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