



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7937
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113272	GFL0097520	GFL0037572
Sample Date		Client Info		16 Feb 2024	14 Nov 2023	22 Oct 2021
Machine Age	hrs	Client Info		10029	9205	0
Oil Age	hrs	Client Info		823	1406	0
Filter Age	hrs	Client Info		823	1406	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	19	46	20
Chromium	ppm	ASTM D5185(m)	>4	1	4	1
Nickel	ppm	ASTM D5185(m)	>2	<1	1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	2	3	2
Lead	ppm	ASTM D5185(m)	>30	2	16	6
Copper	ppm	ASTM D5185(m)	>35	1	5	13
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

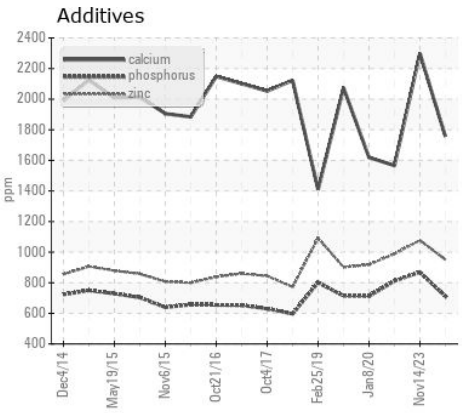
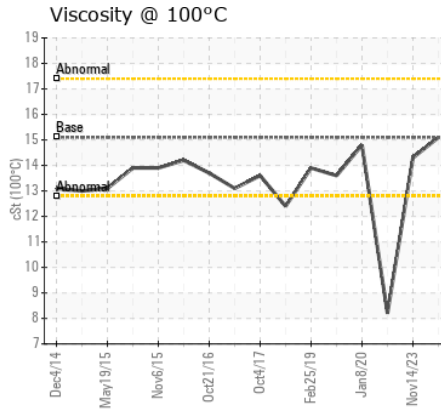
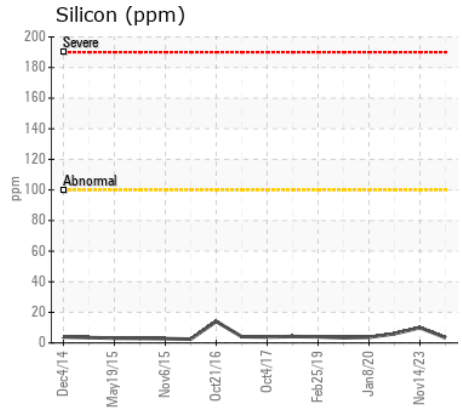
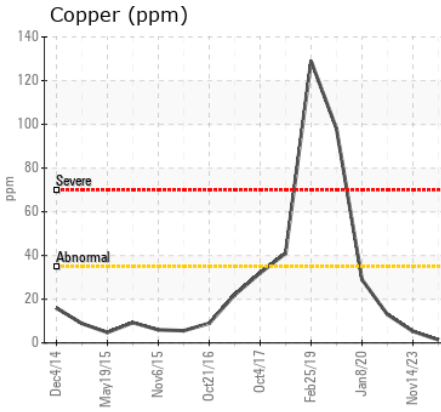
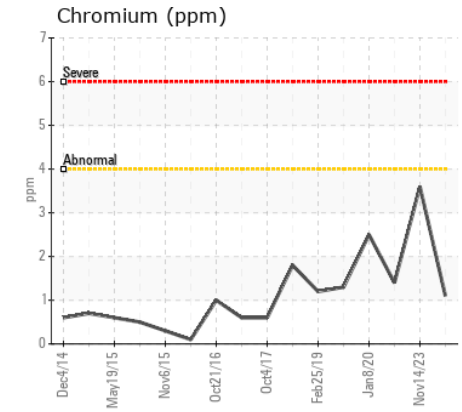
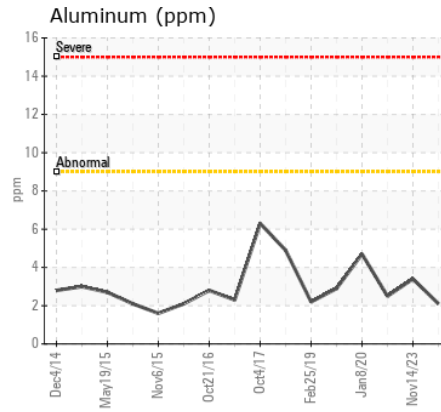
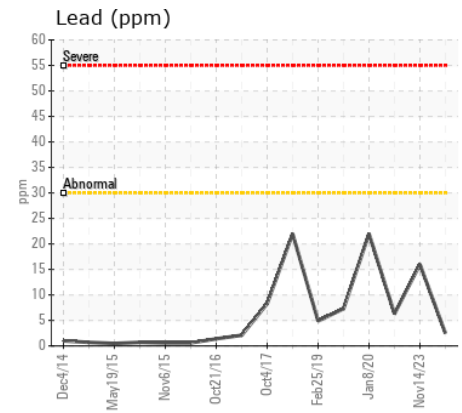
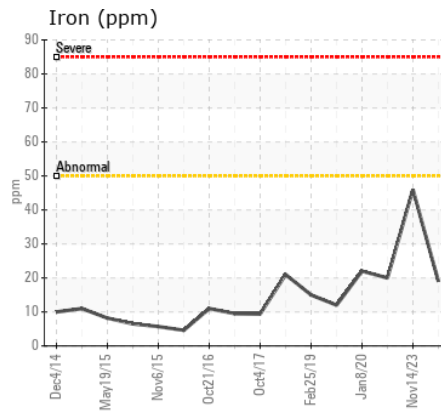
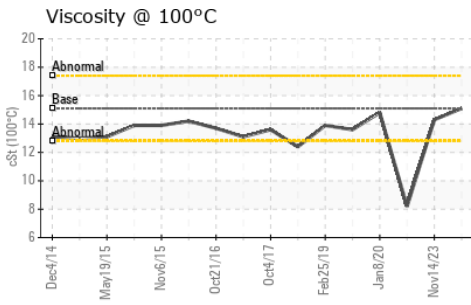
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	3	10	6
Potassium	ppm	ASTM D5185(m)	>20	2	5	▲ 17
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	---	▲ 0.033
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.3	11.2	12.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.7	28.6	21.1
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	.1%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		8	8	▲ 106
Boron	ppm	ASTM D5185(m)	50	8	6	9
Barium	ppm	ASTM D5185(m)	5	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	52	24	52
Manganese	ppm	ASTM D5185(m)	0	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	525	239	630
Calcium	ppm	ASTM D5185(m)	1510	1756	2299	1566
Phosphorus	ppm	ASTM D5185(m)	780	712	868	812
Zinc	ppm	ASTM D5185(m)	870	951	1077	988
Sulfur	ppm	ASTM D5185(m)	2040	2260	2662	2137
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.1	16.7	17.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	15.1	14.3	▲ 8.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113272
Lab Number : 02616629
Unique Number : 5733739
Test Package : MOB 1
Received : 20 Feb 2024
Tested : 20 Feb 2024
Diagnosed : 20 Feb 2024 - Wes Davis

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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.