



Machine Id
830004
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0112512	GFL0097611	GFL0090627
Sample Date		Client Info		28 May 2024	12 Nov 2023	20 Aug 2023
Machine Age	hrs	Client Info		9579	0	8111
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	16	15	22
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	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	1	2	2
Lead	ppm	ASTM D5185(m)	>30	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>35	2	2	2
Tin	ppm	ASTM D5185(m)	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

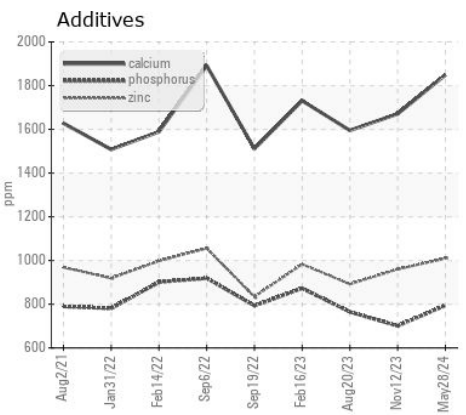
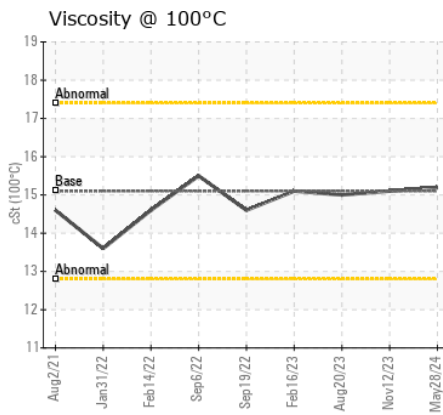
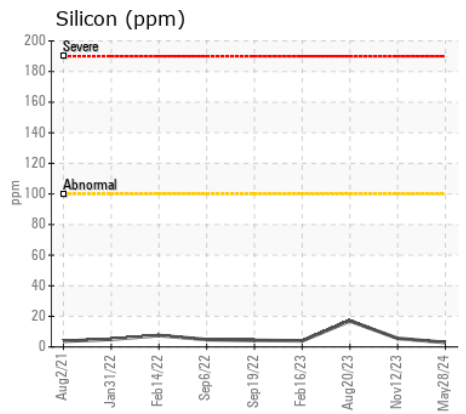
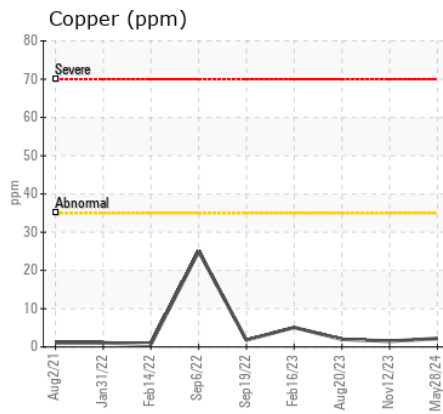
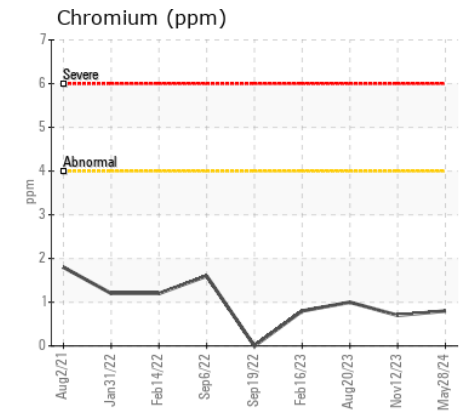
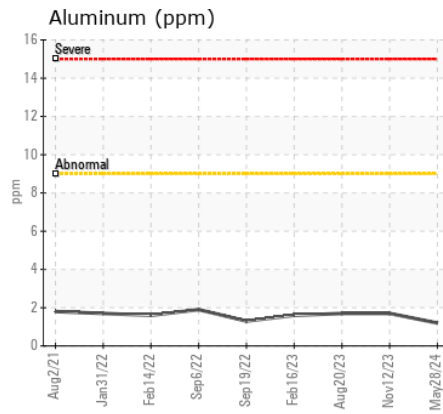
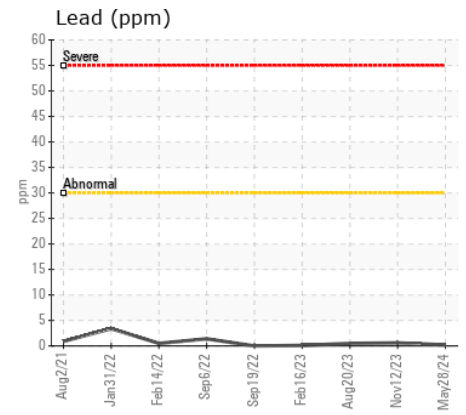
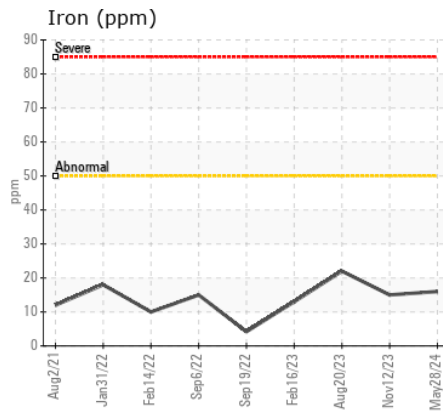
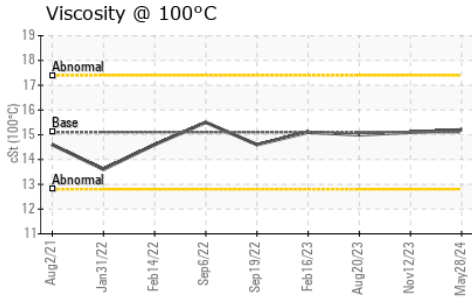
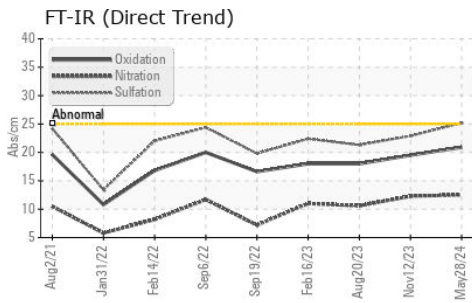
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	3	6	17
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.5	12.3	10.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.2	22.9	21.3
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)		8	7	6
Boron	ppm	ASTM D5185(m)	50	16	14	13
Barium	ppm	ASTM D5185(m)	5	0	<1	3
Molybdenum	ppm	ASTM D5185(m)	50	59	54	53
Manganese	ppm	ASTM D5185(m)	0	<1	<1	3
Magnesium	ppm	ASTM D5185(m)	560	616	560	553
Calcium	ppm	ASTM D5185(m)	1510	1849	1671	1595
Phosphorus	ppm	ASTM D5185(m)	780	794	701	765
Zinc	ppm	ASTM D5185(m)	870	1010	960	892
Sulfur	ppm	ASTM D5185(m)	2040	2097	2027	1992
Oxidation	Abs/.1mm	ASTM D7414*	>25	20.9	19.5	18.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	15.2	15.1	15.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0112512
Lab Number : 02639778
Unique Number : 5788940
Test Package : MOB 1

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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.