



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
8264
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117299	PC397896	---
Sample Date		Client Info		20 Apr 2024	10 Jun 2016	---
Machine Age	kms	Client Info		330729	614	---
Oil Age	kms	Client Info		0	0	---
Filter Age	kms	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	16	37	---
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	1	---
Titanium	ppm	ASTM D5185(m)		0	3	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>9	2	2	---
Lead	ppm	ASTM D5185(m)	>30	0	13	---
Copper	ppm	ASTM D5185(m)	>35	<1	351	---
Tin	ppm	ASTM D5185(m)	>4	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

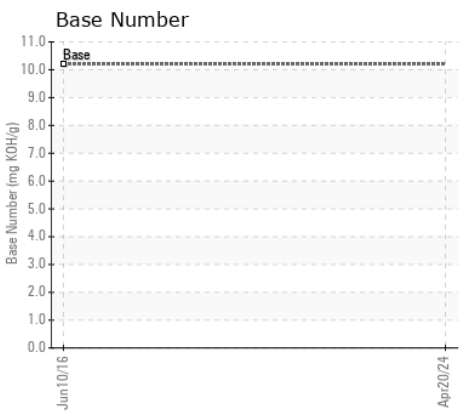
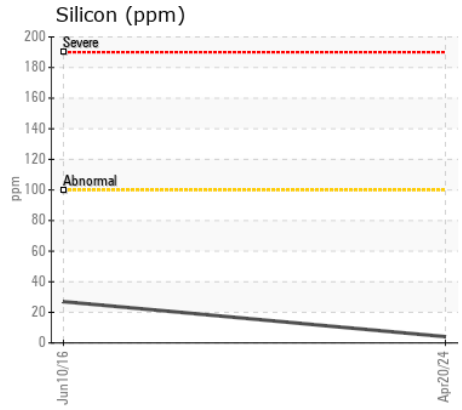
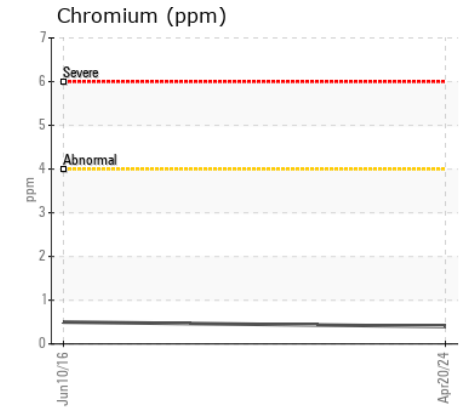
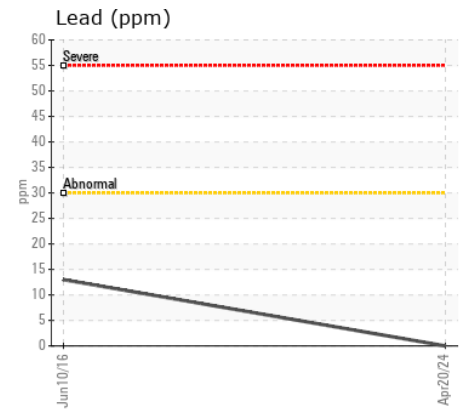
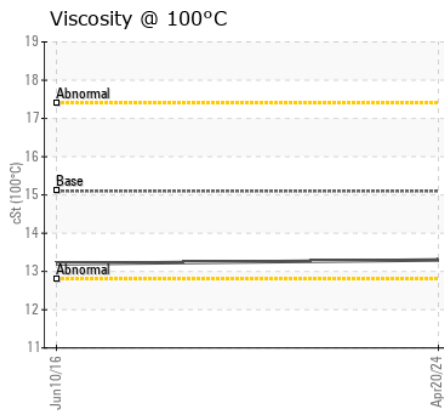
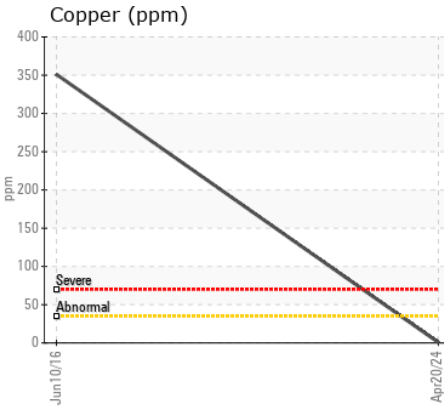
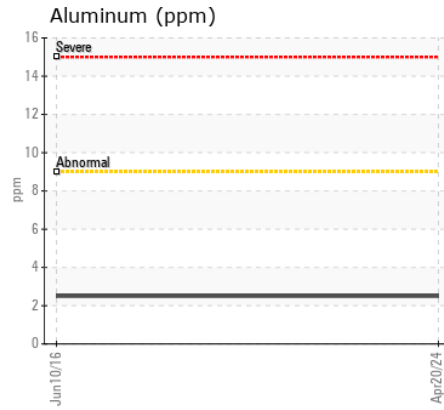
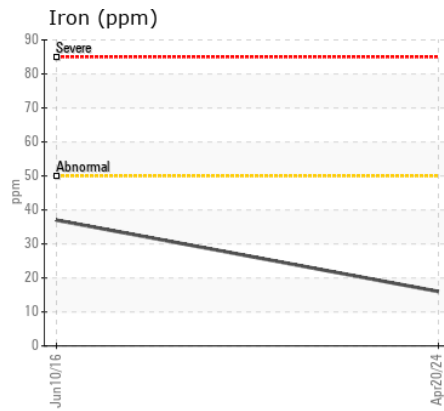
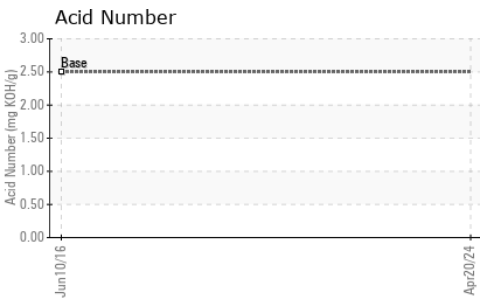
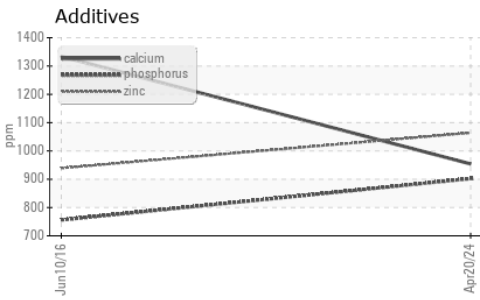
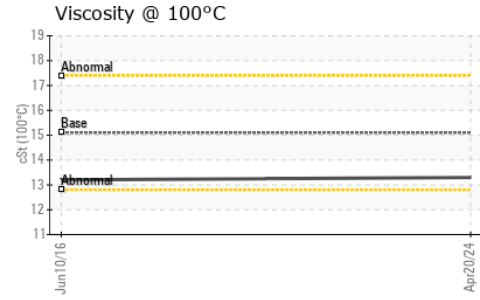
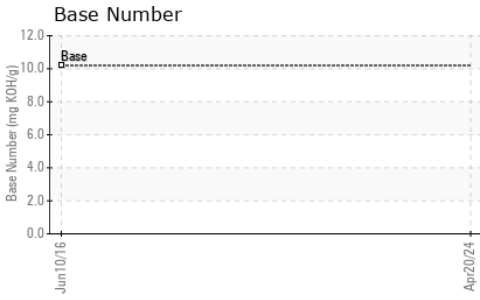
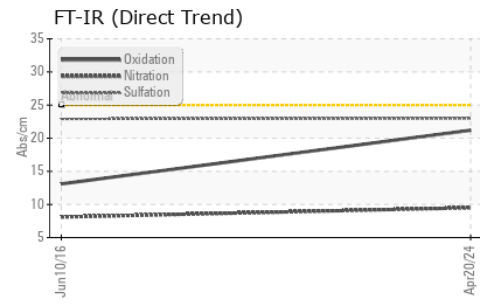
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	4	27	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol		WC Method		---	0.0	---
Soot %	%	ASTM D7844*		0.8	0	---
Nitration	Abs/cm	ASTM D7624*	>20	9.5	8.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.0	22.9	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

The i-pH level is abnormally low. Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185(m)		5	3	---
Boron	ppm	ASTM D5185(m)	50	4	3	---
Barium	ppm	ASTM D5185(m)	5	0	2	---
Molybdenum	ppm	ASTM D5185(m)	50	53	30	---
Manganese	ppm	ASTM D5185(m)	0	<1	8	---
Magnesium	ppm	ASTM D5185(m)	560	865	117	---
Calcium	ppm	ASTM D5185(m)	1510	954	1334	---
Phosphorus	ppm	ASTM D5185(m)	780	902	756	---
Zinc	ppm	ASTM D5185(m)	870	1064	939	---
Sulfur	ppm	ASTM D5185(m)	2040	2322	4519	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.2	13.1	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10.2	8.75	---	---
i-pH	Scale 0-14	ASTM D7946*	<4.5	▲ 4.06	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.3	13.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117299
Lab Number : 02632474
Unique Number : 5773627
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man, Visual)

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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.*