



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(THG7557)
Machine Id
733028
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		GFL0103959	GFL0093323	---
Sample Date		Client Info		11 Jan 2024	27 Oct 2023	---
Machine Age	hrs	Client Info		1192	654	---
Oil Age	hrs	Client Info		1192	654	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	16	15	---
Chromium	ppm	ASTM D5185m	>4	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	<1	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>9	2	1	---
Lead	ppm	ASTM D5185m	>30	<1	<1	---
Copper	ppm	ASTM D5185m	>35	3	5	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

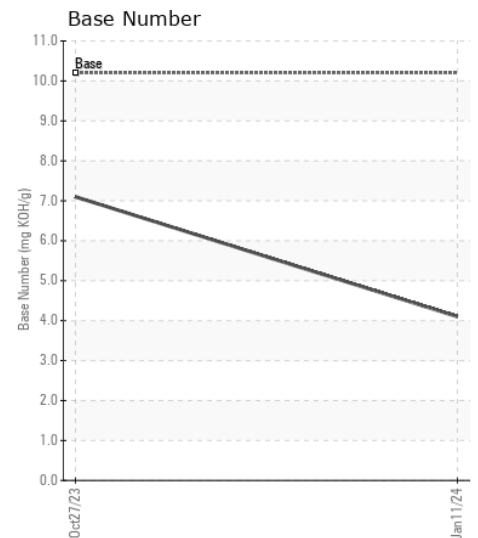
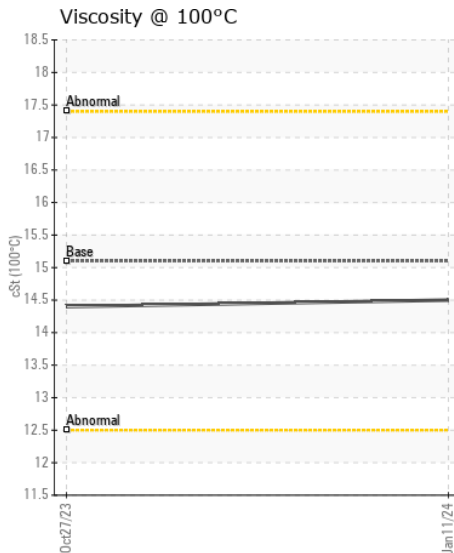
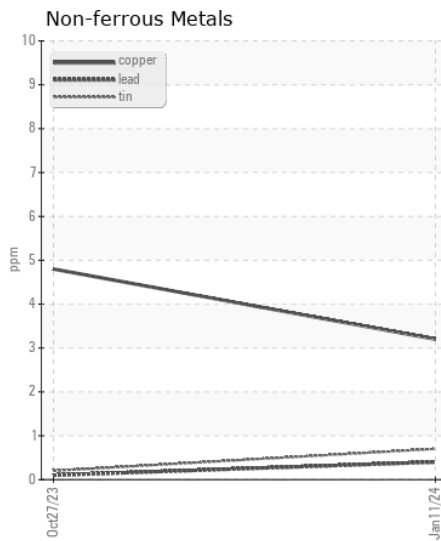
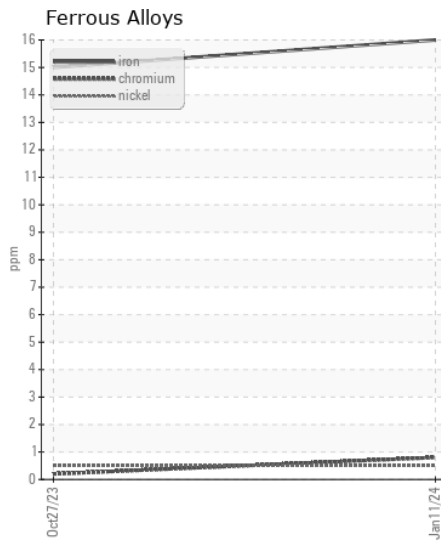
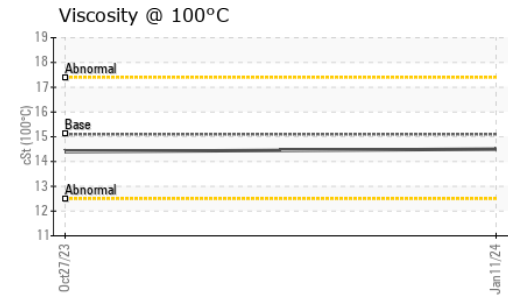
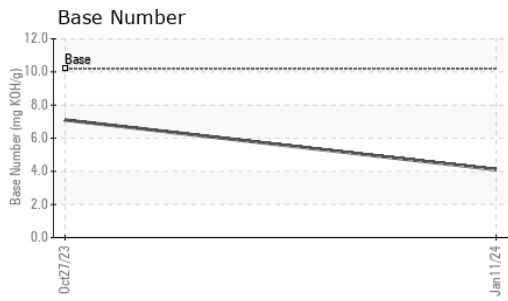
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	10	28	---
Potassium	ppm	ASTM D5185m	>20	5	7	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	11.5	7.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	23.8	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		8	2	---
Boron	ppm	ASTM D5185m	50	7	32	---
Barium	ppm	ASTM D5185m	5	<1	6	---
Molybdenum	ppm	ASTM D5185m	50	55	44	---
Manganese	ppm	ASTM D5185m	0	2	7	---
Magnesium	ppm	ASTM D5185m	560	638	642	---
Calcium	ppm	ASTM D5185m	1510	1545	1240	---
Phosphorus	ppm	ASTM D5185m	780	762	653	---
Zinc	ppm	ASTM D5185m	870	1039	814	---
Sulfur	ppm	ASTM D5185m	2040	2544	1971	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	23.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.1	7.1	---
Visc @ 100°C	cSt	ASTM D445	15.1	14.5	14.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0103959 **Received** : 19 Jan 2024
Lab Number : 06065306 **Diagnosed** : 20 Jan 2024
Unique Number : 10836688 **Diagnostician** : Wes Davis
Test Package : FLEET

GFL Environmental - 865 - East Mount Hauling
 7213 East Mount Houston Road
 Houston, TX
 US 77050
 Contact: TECHNICIAN ACCOUNT
 wcgfldemo@gmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: