



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

2

Machine Id

832012

Component

Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0101774	PCA0101738	---
Sample Date		Client Info		09 Jan 2024	07 Aug 2023	---
Machine Age	hrs	Client Info		2238	1203	---
Oil Age	hrs	Client Info		1035	1203	---
Filter Age	hrs	Client Info		1035	1203	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	14	31	---
Chromium	ppm	ASTM D5185m	>4	<1	1	---
Nickel	ppm	ASTM D5185m	>2	1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>9	4	2	---
Lead	ppm	ASTM D5185m	>30	2	0	---
Copper	ppm	ASTM D5185m	>35	2	12	---
Tin	ppm	ASTM D5185m	>4	2	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

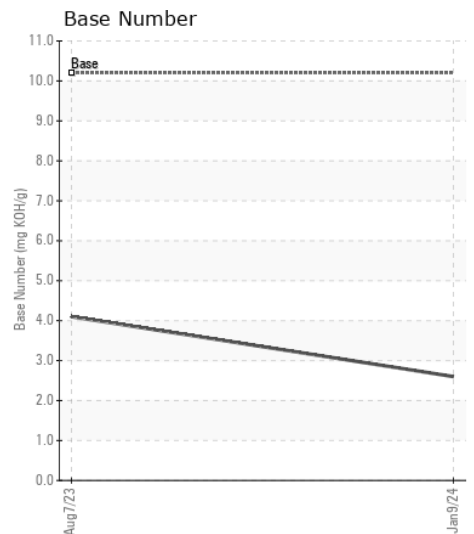
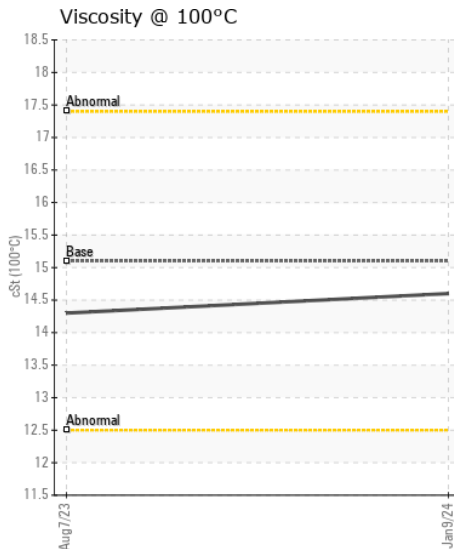
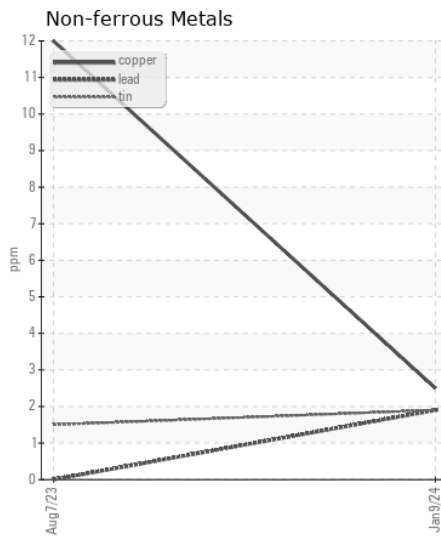
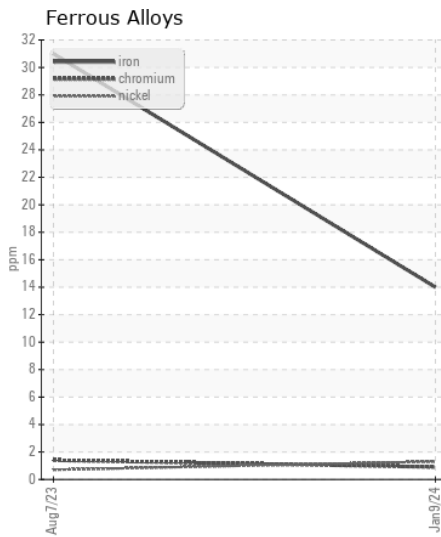
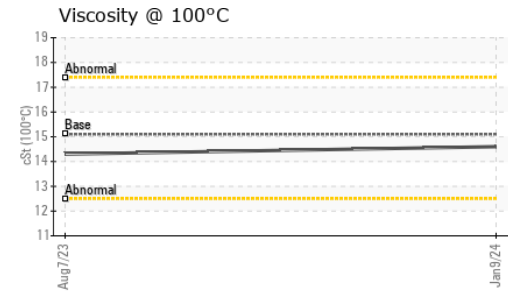
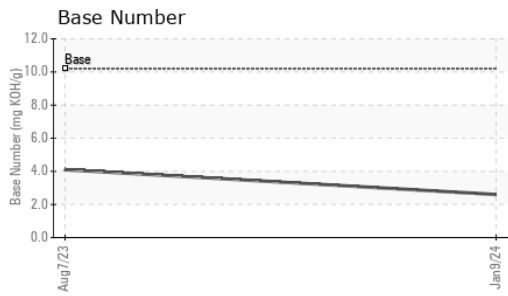
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	6	20	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	*ASTM D7844		0	0	---
Nitration	Abs/cm	*ASTM D7624	>20	12.8	12.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.4	24.3	---
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		7	5	---
Boron	ppm	ASTM D5185m	50	1	7	---
Barium	ppm	ASTM D5185m	5	0	2	---
Molybdenum	ppm	ASTM D5185m	50	54	63	---
Manganese	ppm	ASTM D5185m	0	2	9	---
Magnesium	ppm	ASTM D5185m	560	625	823	---
Calcium	ppm	ASTM D5185m	1510	1703	1537	---
Phosphorus	ppm	ASTM D5185m	780	783	769	---
Zinc	ppm	ASTM D5185m	870	1066	1029	---
Sulfur	ppm	ASTM D5185m	2040	2482	2914	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.2	21.5	---
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	2.6	4.1	---
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0101774 **Recieved** : 11 Jan 2024
Lab Number : 06057893 **Diagnosed** : 12 Jan 2024
Unique Number : 10829275 **Diagnostician** : Wes Davis
Test Package : FLEET

GFL Environmental - 002 - Vance-Granville
 241 Vanco Mill Rd
 Henderson, NC
 US 27537
 Contact: Cameron King
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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)