



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
3746C AUTOCAR ACX
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (48 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0103206	GFL0089270	GFL0056505
Sample Date		Client Info		12 Feb 2024	30 Aug 2023	10 Nov 2022
Machine Age	hrs	Client Info		19596	18382	16048
Oil Age	hrs	Client Info		1214	2334	1466
Filter Age	hrs	Client Info		0	0	1466
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	36	19	18
Chromium	ppm	ASTM D5185m	>4	3	1	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	4	2	2
Lead	ppm	ASTM D5185m	>30	4	0	4
Copper	ppm	ASTM D5185m	>35	1	2	3
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

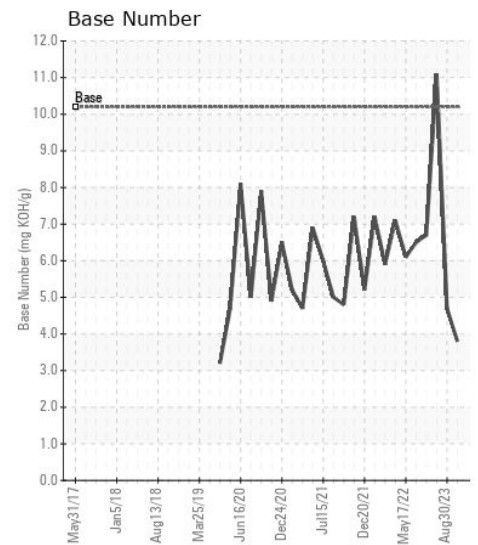
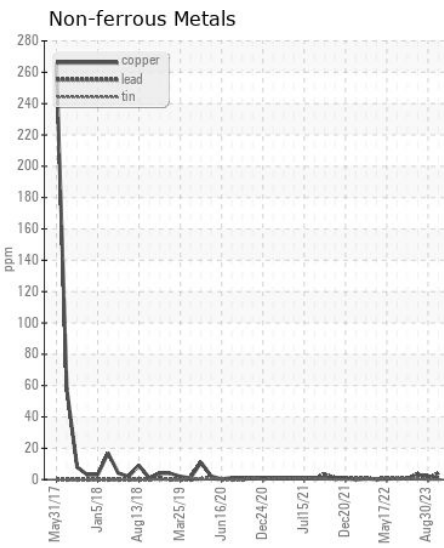
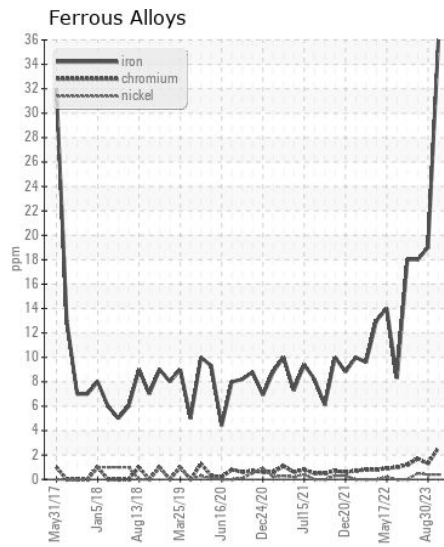
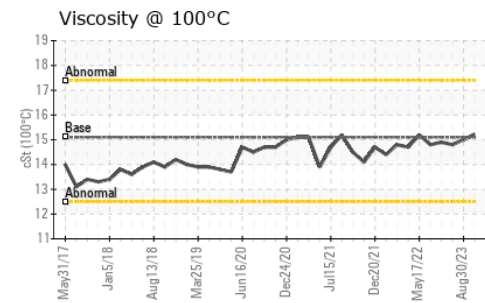
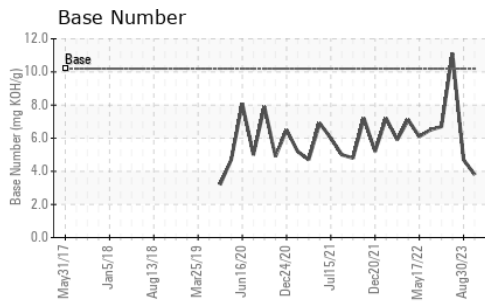
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	13	18	18
Potassium	ppm	ASTM D5185m	>20	4	0	▲ 381
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	0.0	◆ 0.10
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.3	10.4	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	22.9	21.2
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	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		6	7	▲ 441
Boron	ppm	ASTM D5185m	50	13	0	35
Barium	ppm	ASTM D5185m	5	9	0	0
Molybdenum	ppm	ASTM D5185m	50	67	49	67
Manganese	ppm	ASTM D5185m	0	<1	1	1
Magnesium	ppm	ASTM D5185m	560	653	533	576
Calcium	ppm	ASTM D5185m	1510	1657	1571	1637
Phosphorus	ppm	ASTM D5185m	780	730	684	795
Zinc	ppm	ASTM D5185m	870	1090	933	891
Sulfur	ppm	ASTM D5185m	2040	2231	2524	3015
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.3	19.7	17.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.8	4.7	11.1
Visc @ 100°C	cSt	ASTM D445	15.1	15.2	15.0	14.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0103206
Lab Number : 06088470
Unique Number : 10875915
Test Package : FLEET

Received : 14 Feb 2024
Tested : 15 Feb 2024
Diagnosed : 15 Feb 2024 - Wes Davis

GFL Environmental - 001 - Raleigh(CNG)
 3741 Conquest Drive
 Garner, NC
 US 27529

Contact: Craig Johnson
 craig.johnson@gflenv.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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