



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**10507C AUTOCAR ACX**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (28 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0103186</b>	GFL0094670	GFL0089301
Sample Date		Client Info		<b>17 May 2024</b>	31 Oct 2023	27 Jul 2023
Machine Age	hrs	Client Info		<b>8539</b>	7448	6834
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>8</b>	23	18
Chromium	ppm	ASTM D5185m	>4	<b>0</b>	2	1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>2</b>	4	4
Lead	ppm	ASTM D5185m	>30	<b>2</b>	2	0
Copper	ppm	ASTM D5185m	>35	<b>&lt;1</b>	2	1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

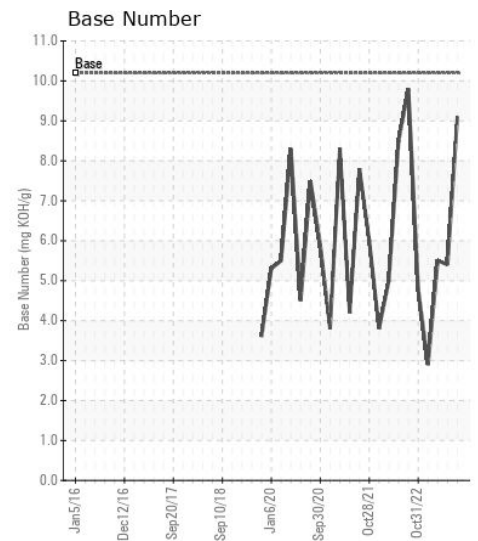
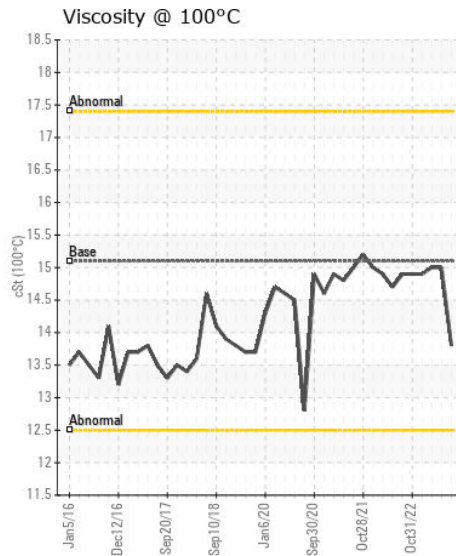
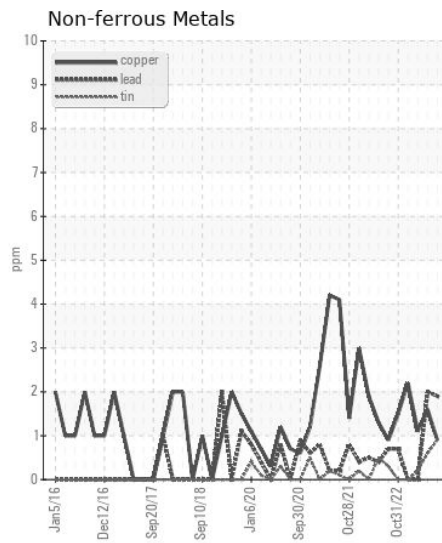
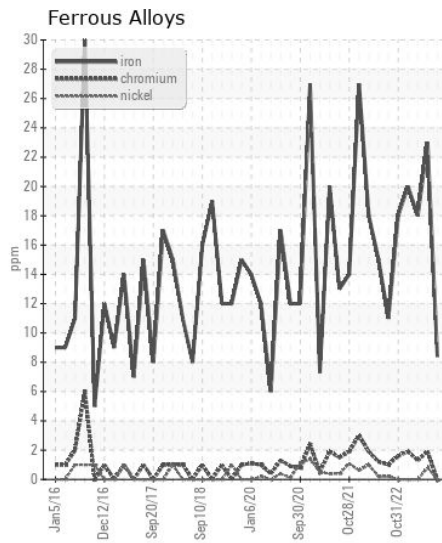
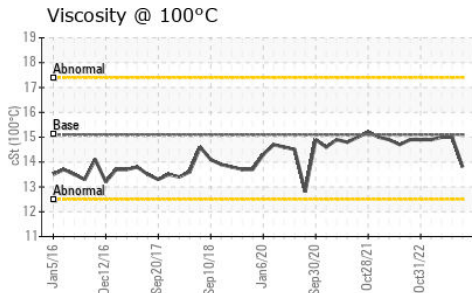
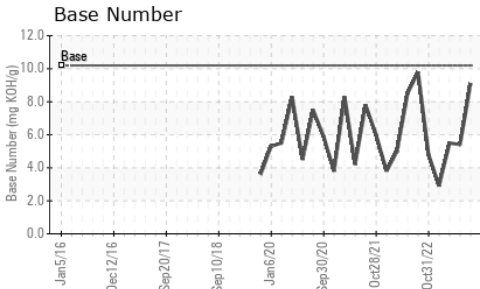
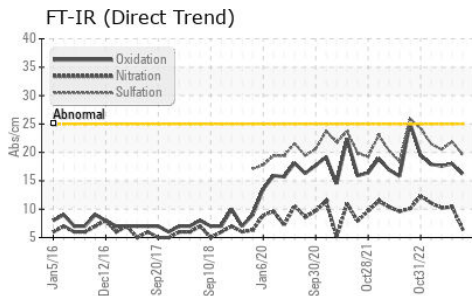
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>20</b>	6	6
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	4	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.5</b>	10.4	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.6</b>	21.9	20.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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		<b>3</b>	8	7
Boron	ppm	ASTM D5185m	50	<b>48</b>	13	9
Barium	ppm	ASTM D5185m	5	<b>4</b>	0	2
Molybdenum	ppm	ASTM D5185m	50	<b>47</b>	48	56
Manganese	ppm	ASTM D5185m	0	<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	560	<b>787</b>	552	636
Calcium	ppm	ASTM D5185m	1510	<b>1135</b>	1452	1769
Phosphorus	ppm	ASTM D5185m	780	<b>737</b>	762	812
Zinc	ppm	ASTM D5185m	870	<b>868</b>	916	1064
Sulfur	ppm	ASTM D5185m	2040	<b>2683</b>	2169	3152
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.2</b>	18.0	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	<b>9.1</b>	5.4	5.5
Visc @ 100°C	cSt	ASTM D445	15.1	<b>13.8</b>	15.0	15.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0103186  
**Lab Number** : 06187030  
**Unique Number** : 11043782  
**Test Package** : FLEET

**Received** : 21 May 2024  
**Tested** : 23 May 2024  
**Diagnosed** : 23 May 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)

T: (919)662-7100  
 F: (919)662-7130