



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



Area  
**(YA113962)**  
Machine Id  
**3438C**  
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>GFL0112901</b>	GFL0079625	GFL0098135
Sample Date		Client Info		<b>24 Apr 2024</b>	22 Feb 2024	23 Jan 2024
Machine Age	hrs	Client Info		<b>9060</b>	9060	9060
Oil Age	hrs	Client Info		<b>310</b>	576	170
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>17</b>	3	5
Chromium	ppm	ASTM D5185m	>4	<b>5</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>35	<b>2</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

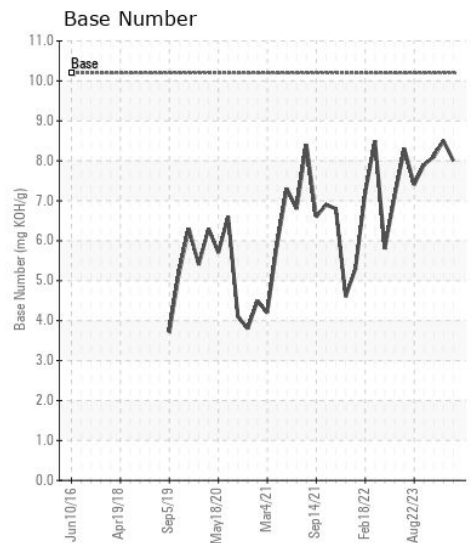
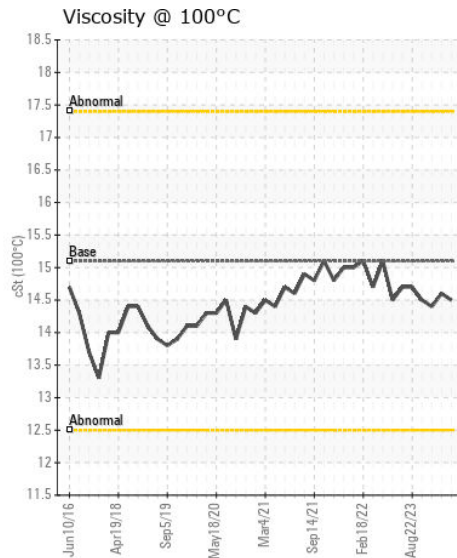
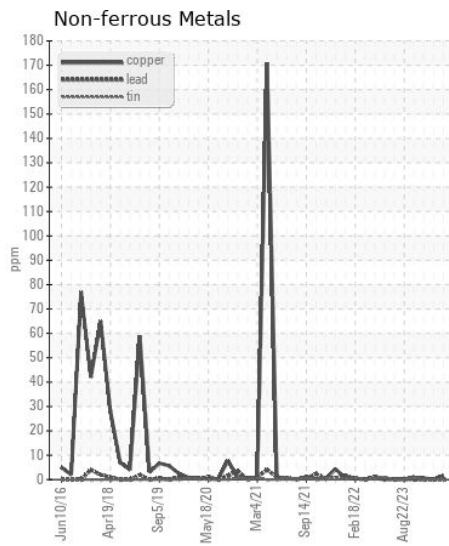
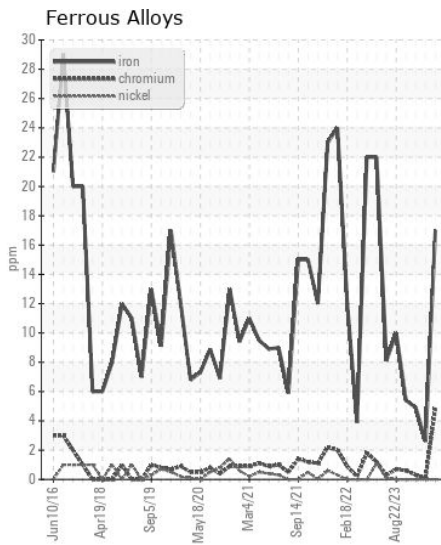
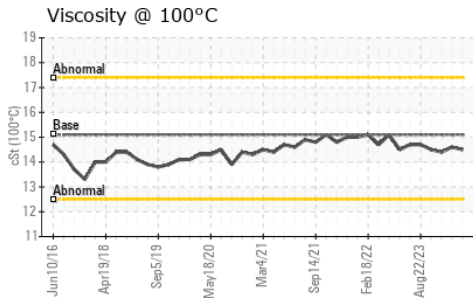
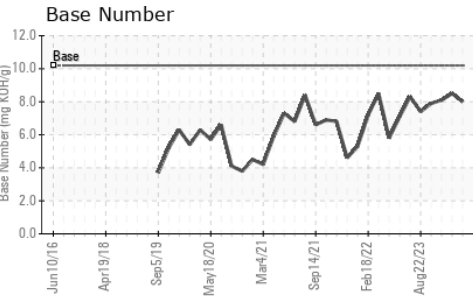
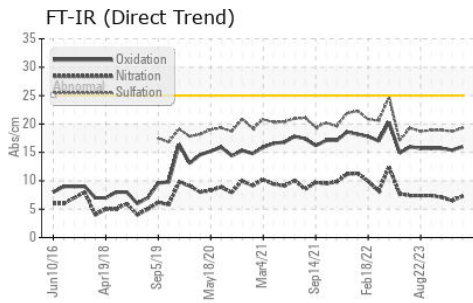
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>11</b>	8	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844		<b>0.1</b>	0	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.3</b>	6.5	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.3</b>	18.7	18.9
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>4</b>	<1	4
Boron	ppm	ASTM D5185m	50	<b>37</b>	46	36
Barium	ppm	ASTM D5185m	5	<b>&lt;1</b>	8	0
Molybdenum	ppm	ASTM D5185m	50	<b>52</b>	44	47
Manganese	ppm	ASTM D5185m	0	<b>1</b>	0	<1
Magnesium	ppm	ASTM D5185m	560	<b>580</b>	482	580
Calcium	ppm	ASTM D5185m	1510	<b>1551</b>	1325	1611
Phosphorus	ppm	ASTM D5185m	780	<b>781</b>	760	781
Zinc	ppm	ASTM D5185m	870	<b>926</b>	825	963
Sulfur	ppm	ASTM D5185m	2040	<b>2690</b>	2498	2493
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.0</b>	15.4	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	<b>8.0</b>	8.5	8.1
Visc @ 100°C	cSt	ASTM D445	15.1	<b>14.5</b>	14.6	14.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0112901  
**Lab Number** : 06158939  
**Unique Number** : 10994362  
**Test Package** : FLEET

**GFL Environmental - 017 - Durham**  
 148 Stone Park Court  
 Durham, NC  
 US 27703  
 Contact:  
 bill.waring@wearcheck.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)596-1363  
 F: (919)598-1852