



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

Area  
**(P633847)**

Machine Id  
**10764C**

Component  
**Natural Gas Engine**

Fluid  
**PETRO CANADA DURON GEO LD 15W40 (30 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0101752</b>	GFL0101801	GFL0074977
Sample Date		Client Info		<b>23 Feb 2024</b>	13 Feb 2024	24 Sep 2023
Machine Age	hrs	Client Info		<b>17000</b>	16561	16705
Oil Age	hrs	Client Info		<b>600</b>	0	0
Filter Age	hrs	Client Info		<b>600</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</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>18</b>	12	19
Chromium	ppm	ASTM D5185m	>4	<b>2</b>	<1	2
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>2</b>	1	2
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>35	<b>2</b>	0	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

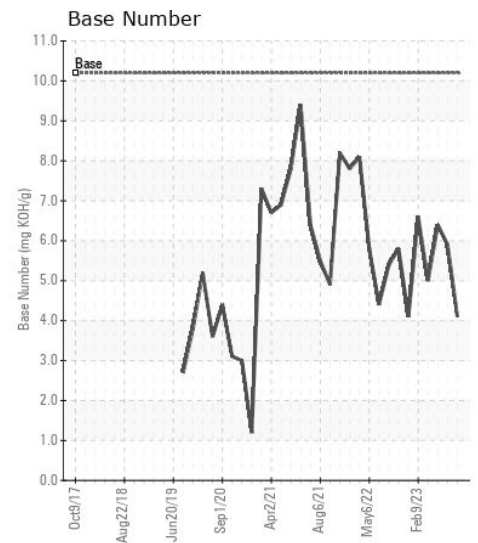
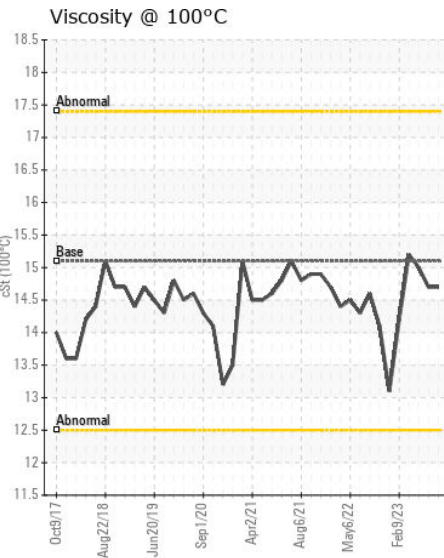
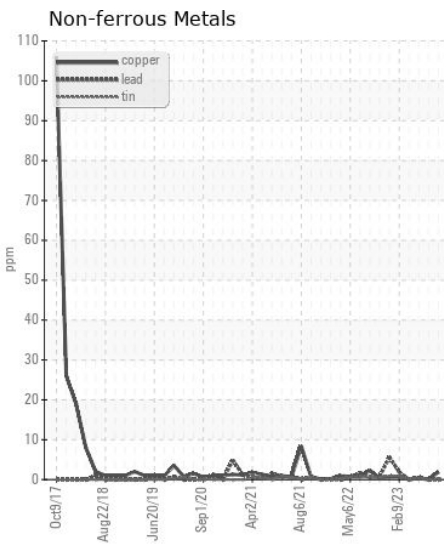
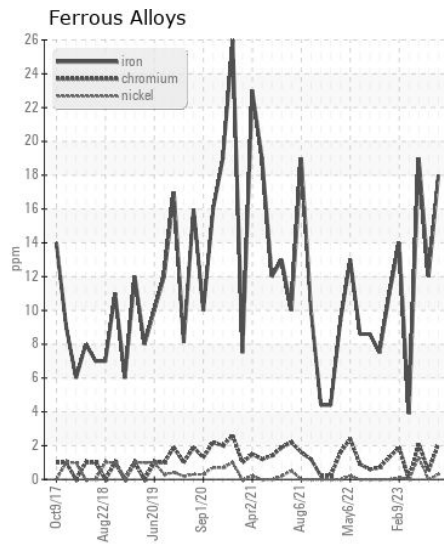
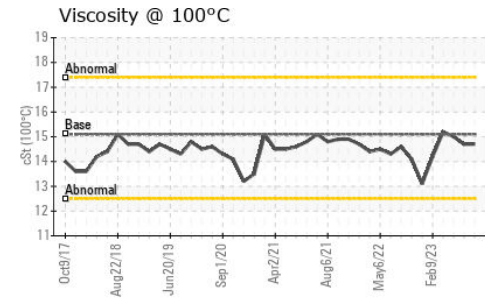
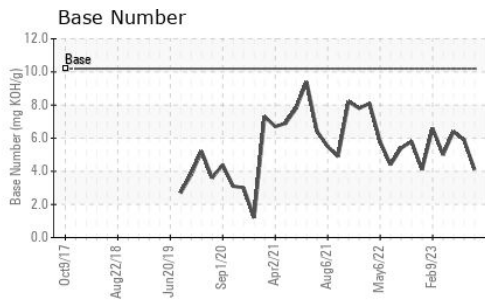
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	<b>9</b>	6	5
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	36	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>12.1</b>	9.7	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.0</b>	20.3	20.0
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>16</b>	2	5
Boron	ppm	ASTM D5185m	50	<b>9</b>	17	13
Barium	ppm	ASTM D5185m	5	<b>9</b>	8	0
Molybdenum	ppm	ASTM D5185m	50	<b>58</b>	49	52
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	560	<b>599</b>	492	555
Calcium	ppm	ASTM D5185m	1510	<b>1378</b>	1388	1630
Phosphorus	ppm	ASTM D5185m	780	<b>707</b>	625	770
Zinc	ppm	ASTM D5185m	870	<b>918</b>	861	997
Sulfur	ppm	ASTM D5185m	2040	<b>2429</b>	2244	2614
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.4</b>	17.0	16.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	<b>4.1</b>	5.9	6.4
Visc @ 100°C	cSt	ASTM D445	15.1	<b>14.7</b>	14.7	15.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0101752  
**Lab Number** : 06100012  
**Unique Number** : 10898242  
**Test Package** : FLEET

**Received** : 26 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 27 Feb 2024 - Wes Davis

**GFL Environmental - 030 - Conway Myrtle Beach**  
 3010 HWY 378  
 Conway, SC  
 US 29527  
 Contact: ARCILIO RUEZ  
 aruiz@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:  
F: