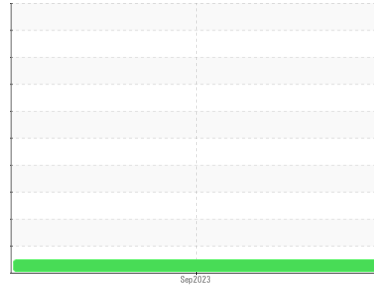


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**833003**

Component  
**Natural Gas Engine**

Fluid  
**PETRO CANADA DURON GEO LD 15W40 (36 QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a components first oil change.

### Contamination

There is no indication of any contamination in the oil.

### 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0101723</b>	---	---
Sample Date	Client Info		<b>05 Sep 2023</b>	---	---
Machine Age	hrs	Client Info	<b>132</b>	---	---
Oil Age	hrs	Client Info	<b>132</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>29</b>	---	---
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>0</b>	---	---
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >9	<b>0</b>	---	---
Lead	ppm	ASTM D5185m >30	<b>1</b>	---	---
Copper	ppm	ASTM D5185m >35	<b>14</b>	---	---
Tin	ppm	ASTM D5185m >4	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	<b>41</b>	---	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m 50	<b>51</b>	---	---
Manganese	ppm	ASTM D5185m 0	<b>14</b>	---	---
Magnesium	ppm	ASTM D5185m 560	<b>839</b>	---	---
Calcium	ppm	ASTM D5185m 1510	<b>1368</b>	---	---
Phosphorus	ppm	ASTM D5185m 780	<b>735</b>	---	---
Zinc	ppm	ASTM D5185m 870	<b>898</b>	---	---
Sulfur	ppm	ASTM D5185m 2040	<b>2911</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >+100	<b>29</b>	---	---
Sodium	ppm	ASTM D5185m	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	---	---

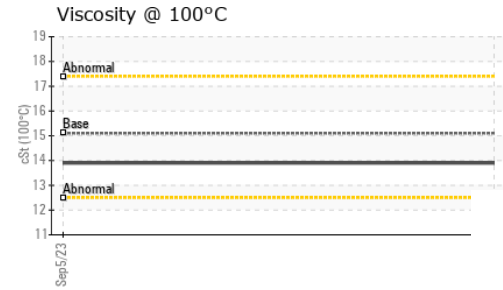
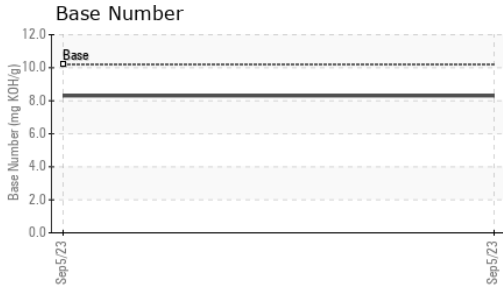
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	<b>0.1</b>	---	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.5</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.9</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>17.2</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896 10.2	<b>8.3</b>	---	---

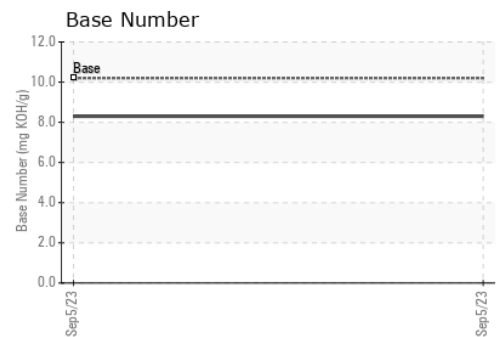
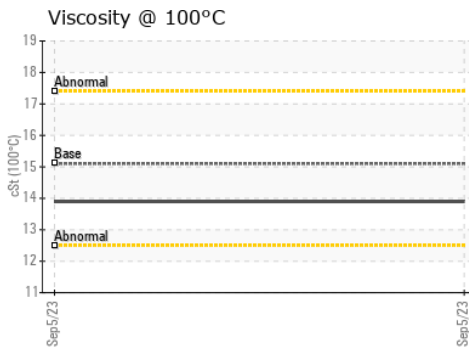
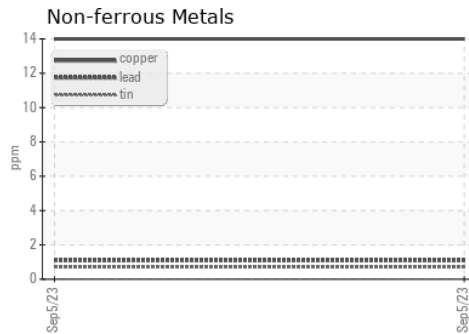
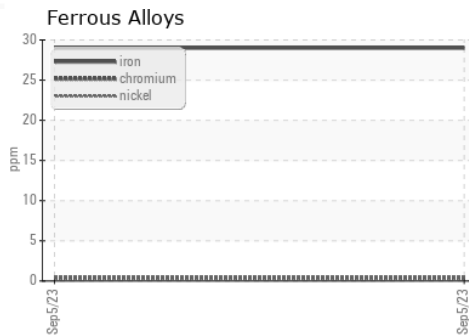
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.1	<b>13.9</b>	---	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0101723  
**Lab Number** : 05946437  
**Unique Number** : 10642396  
**Test Package** : FLEET

**GFL Environmental - 002 - Vance-Granville**  
 241 Vanco Mill Rd  
 Henderson, NC  
 US 27537  
 Contact: Cameron King  
 cameron.king@gflenv.com  
 T: (252)438-5333  
 F: (252)431-1635

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)