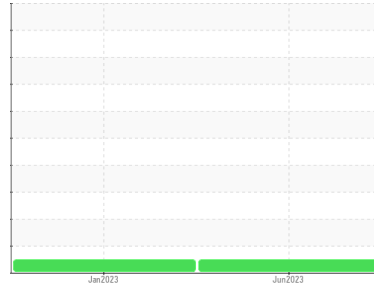


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(37351Z) Walgreens**  
 Machine Id  
**[Walgreens] 136A62520**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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	history 1	history 2
Sample Number	Client Info	<b>PCA0096036</b>	PCA0087977	---
Sample Date	Client Info	<b>21 Jun 2023</b>	09 Jan 2023	---
Machine Age	mls	Client Info	<b>160003</b>	113220
Oil Age	mls	Client Info	<b>50000</b>	30000
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

method	limit/base	current	history 1	history 2
Fuel	WC Method >5	<b>&lt;1.0</b>	<1.0	---
Glycol	WC Method	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history 1	history 2
Iron	ppm ASTM D5185m >110	<b>31</b>	31	---
Chromium	ppm ASTM D5185m >4	<b>&lt;1</b>	<1	---
Nickel	ppm ASTM D5185m >2	<b>0</b>	<1	---
Titanium	ppm ASTM D5185m	<b>0</b>	<1	---
Silver	ppm ASTM D5185m >2	<b>0</b>	<1	---
Aluminum	ppm ASTM D5185m >25	<b>4</b>	12	---
Lead	ppm ASTM D5185m >45	<b>&lt;1</b>	1	---
Copper	ppm ASTM D5185m >85	<b>4</b>	5	---
Tin	ppm ASTM D5185m >4	<b>&lt;1</b>	1	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185m 2	<b>1</b>	2	---
Barium	ppm ASTM D5185m 0	<b>0</b>	4	---
Molybdenum	ppm ASTM D5185m 50	<b>65</b>	63	---
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm ASTM D5185m 950	<b>935</b>	926	---
Calcium	ppm ASTM D5185m 1050	<b>1105</b>	1095	---
Phosphorus	ppm ASTM D5185m 995	<b>1014</b>	963	---
Zinc	ppm ASTM D5185m 1180	<b>1239</b>	1244	---
Sulfur	ppm ASTM D5185m 2600	<b>3019</b>	3041	---

## CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185m >30	<b>7</b>	7	---
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	2	---
Potassium	ppm ASTM D5185m >20	<b>16</b>	35	---

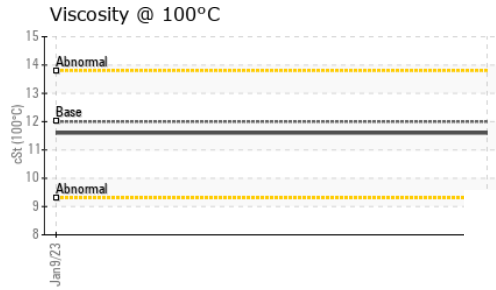
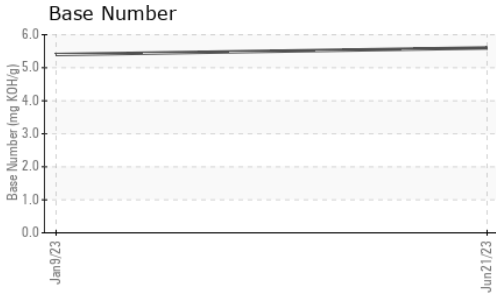
## INFRA-RED

method	limit/base	current	history 1	history 2
Soot %	% *ASTM D7844 >3	<b>0.7</b>	0.6	---
Nitration	Abs/cm *ASTM D7624 >20	<b>10.5</b>	10.6	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>23.7</b>	23.5	---

## FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>20.9</b>	20.0	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>5.6</b>	5.4	---

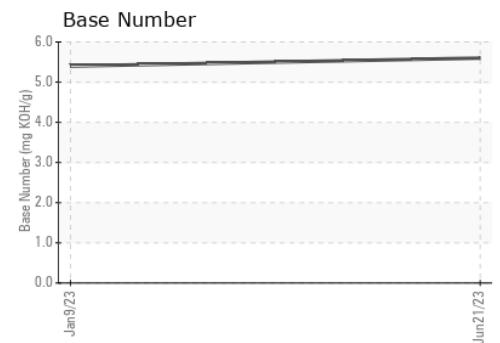
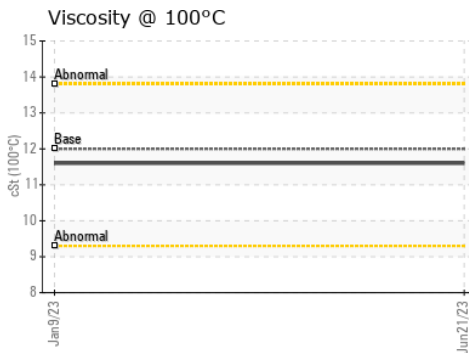
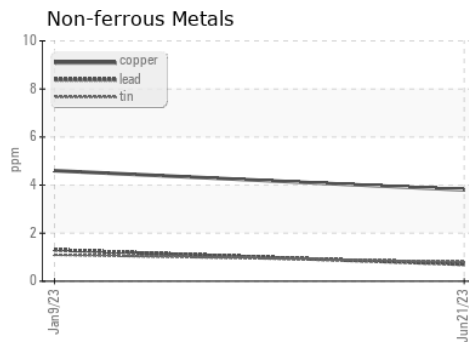
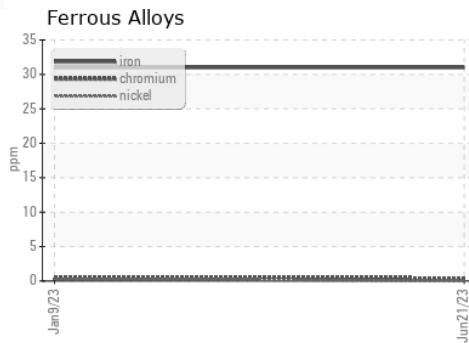
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.6</b>	11.6	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0096036 **Received** : 30 Jun 2023  
**Lab Number** : **05888312** **Diagnosed** : 04 Jul 2023  
**Unique Number** : 10538795 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**Transervice - Shop 1370 - Berkeley-Perrysburg**  
 28727 Oregon Road  
 Perrysburg, OH  
 US 43551  
 Contact: Curtis Hart  
 chart@transervice.com  
 T: (419)666-3277  
 F: (419)666-3279

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)