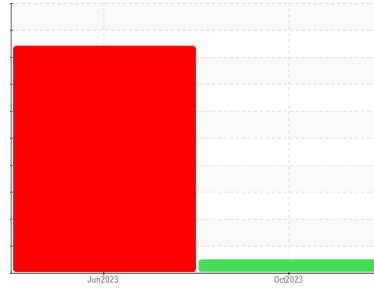


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89634X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A68022**  
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

No evidence of coolant present in the oil. 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>PCA0093466</b>	PCA0093555	---
Sample Date	Client Info		<b>20 Oct 2023</b>	05 Jun 2023	---
Machine Age	mls	Client Info	<b>203195</b>	193170	---
Oil Age	mls	Client Info	<b>10025</b>	193170	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	SEVERE	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>28</b>	31	---
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>15</b>	4	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>4</b>	<1	---
Lead	ppm	ASTM D5185m >30	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >150	<b>2</b>	2	---
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>13</b>	5	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>42</b>	67	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 950	<b>701</b>	783	---
Calcium	ppm	ASTM D5185m 1050	<b>1424</b>	1220	---
Phosphorus	ppm	ASTM D5185m 995	<b>931</b>	874	---
Zinc	ppm	ASTM D5185m 1180	<b>1240</b>	1107	---
Sulfur	ppm	ASTM D5185m 2600	<b>3236</b>	3357	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>8</b>	7	---
Sodium	ppm	ASTM D5185m	<b>2</b>	▲ 160	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	▲ 195	---
Glycol	%	*ASTM D2982	<b>NEG</b>	◆ 0.10	---

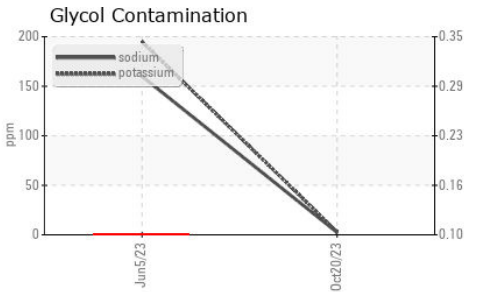
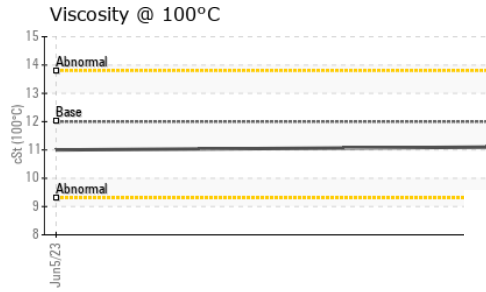
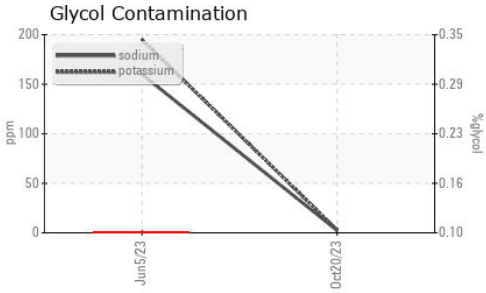
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.6</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.3</b>	12.6	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>22.5</b>	24.2	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>19.0</b>	21.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.7</b>	5.9	---

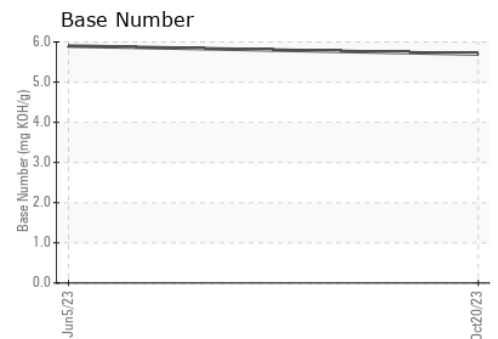
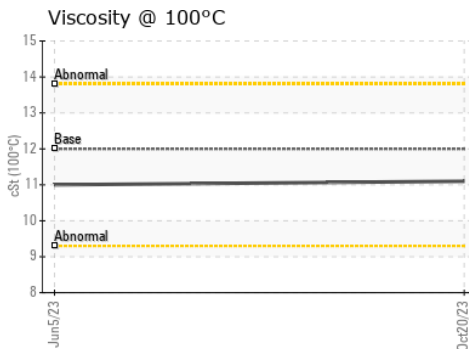
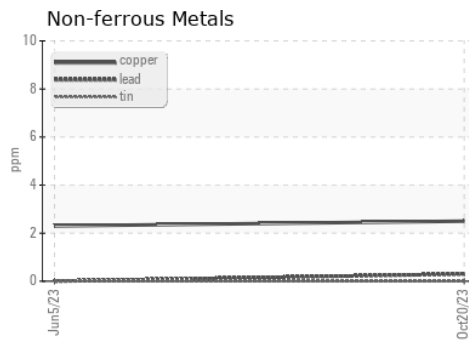
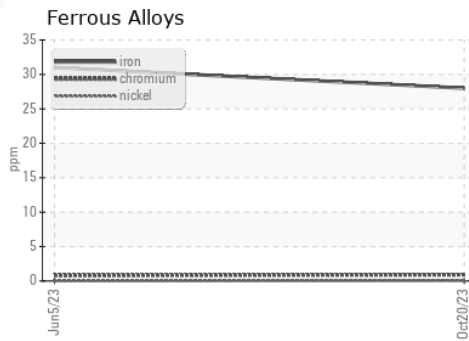
# OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.1</b>	11.0

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0093466 **Received** : 03 Nov 2023  
**Lab Number** : **05997700** **Diagnosed** : 07 Nov 2023  
**Unique Number** : 10726060 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET

**Transervice - Shop 1376 - Berkeley-Linden**  
 3425 Tremley Point Road  
 Linden, NJ  
 US 07036  
 Contact: Shop 1376 Oil Analysis  
 shop1376@transervice.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: