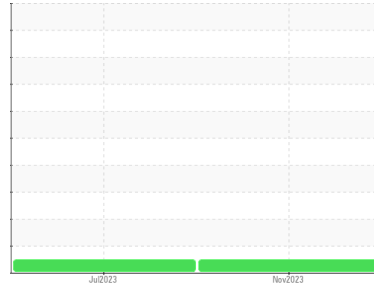


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89613X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A68001**  
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	history1	history2
Sample Number	Client Info	<b>PCA0110544</b>	PCA0093500	---
Sample Date	Client Info	<b>13 Nov 2023</b>	07 Jul 2023	---
Machine Age	mls Client Info	<b>218032</b>	191483	---
Oil Age	mls Client Info	<b>218032</b>	0	---
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method >0.2	<b>NEG</b>	NEG	---
Glycol	WC Method	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >80	<b>26</b>	24	---
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>9</b>	3	---
Silver	ppm ASTM D5185m >3	<b>&lt;1</b>	0	---
Aluminum	ppm ASTM D5185m >30	<b>4</b>	3	---
Lead	ppm ASTM D5185m >30	<b>0</b>	0	---
Copper	ppm ASTM D5185m >150	<b>2</b>	2	---
Tin	ppm ASTM D5185m >5	<b>&lt;1</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>10</b>	4	---
Barium	ppm ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm ASTM D5185m 50	<b>46</b>	53	---
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm ASTM D5185m 950	<b>767</b>	874	---
Calcium	ppm ASTM D5185m 1050	<b>1110</b>	1202	---
Phosphorus	ppm ASTM D5185m 995	<b>963</b>	956	---
Zinc	ppm ASTM D5185m 1180	<b>1112</b>	1226	---
Sulfur	ppm ASTM D5185m 2600	<b>2847</b>	3401	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>7</b>	6	---
Sodium	ppm ASTM D5185m	<b>3</b>	2	---
Potassium	ppm ASTM D5185m >20	<b>4</b>	3	---

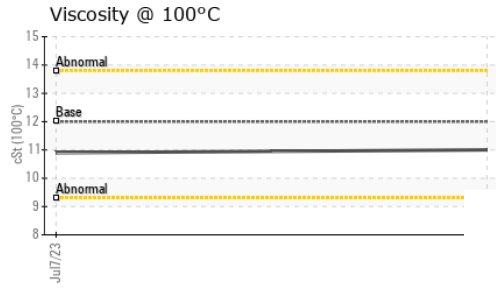
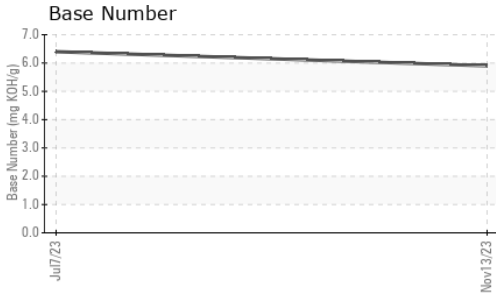
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.6</b>	0.6	---
Nitration	Abs/cm *ASTM D7624 >20	<b>11.2</b>	10.9	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>23.0</b>	21.9	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>19.8</b>	19.2	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>5.9</b>	6.4	---

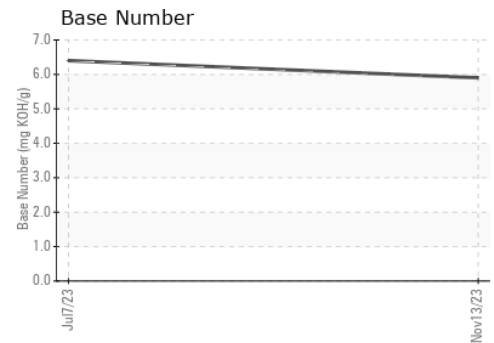
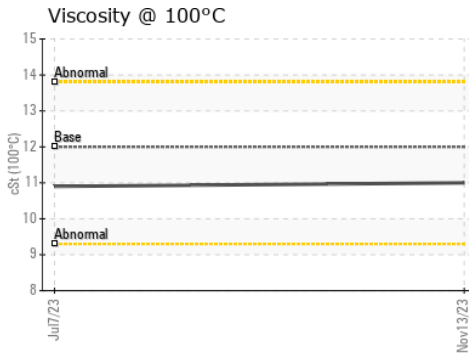
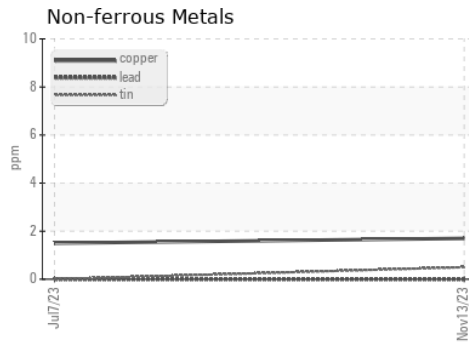
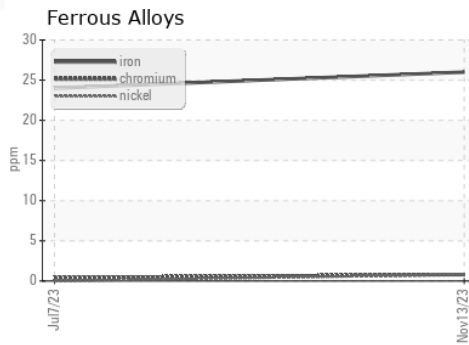
# OIL ANALYSIS REPORT



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	11.0	10.9

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110544 **Received** : 24 Nov 2023  
**Lab Number** : **06017012** **Diagnosed** : 28 Nov 2023  
**Unique Number** : 10756156 **Diagnostician** : Wes Davis  
**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: