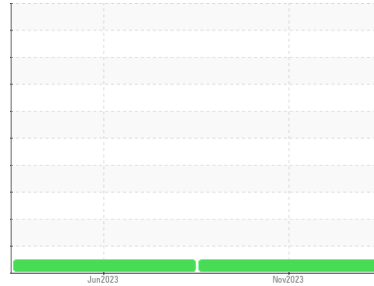


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(97158X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A62069**  
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>PCA0103491</b>	PCA0092951	---
Sample Date	Client Info		<b>21 Nov 2023</b>	09 Jun 2023	---
Machine Age	mls	Client Info	<b>536374</b>	578434	---
Oil Age	mls	Client Info	<b>60000</b>	60000	---
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>15</b>	23	---
Chromium	ppm	ASTM D5185m >5	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m >2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>10</b>	12	---
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >150	<b>4</b>	3	---
Tin	ppm	ASTM D5185m >5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>60</b>	64	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 950	<b>995</b>	1021	---
Calcium	ppm	ASTM D5185m 1050	<b>1068</b>	1178	---
Phosphorus	ppm	ASTM D5185m 995	<b>1092</b>	1058	---
Zinc	ppm	ASTM D5185m 1180	<b>1344</b>	1370	---
Sulfur	ppm	ASTM D5185m 2600	<b>3061</b>	3465	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	6	---
Sodium	ppm	ASTM D5185m	<b>3</b>	1	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	2	---

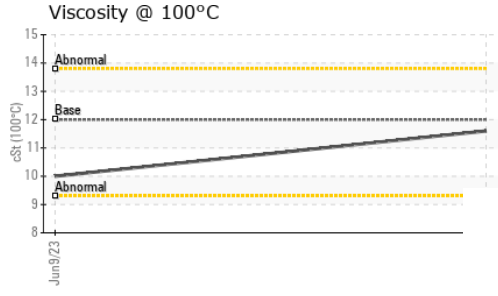
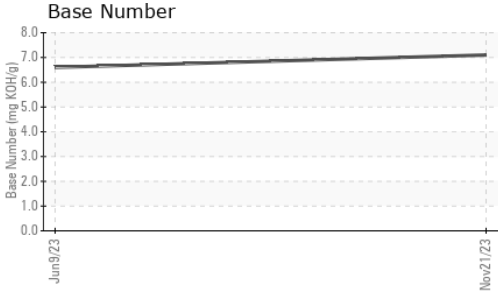
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.6</b>	0.7	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.8</b>	9.6	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.5</b>	22.5	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.9</b>	18.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.1</b>	6.6	---

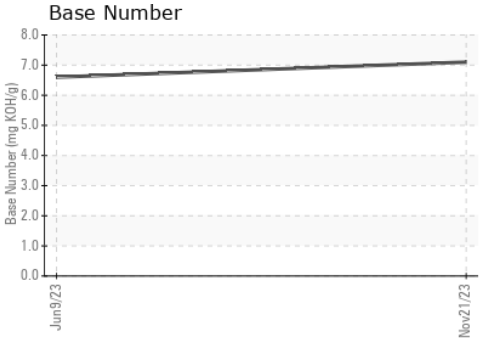
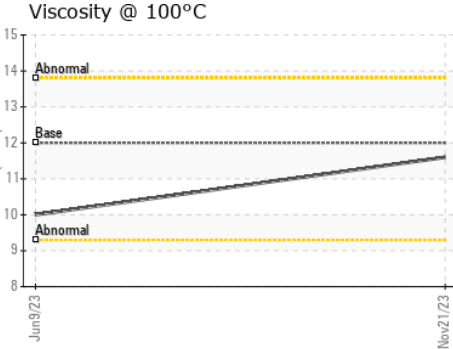
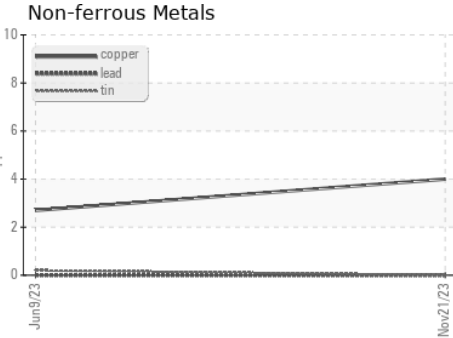
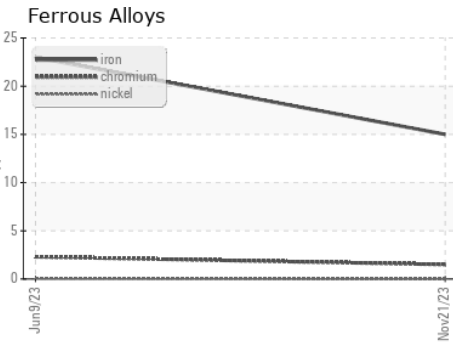
# OIL ANALYSIS REPORT



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>11.6</b>	10.0

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103491 **Received** : 12 Dec 2023  
**Lab Number** : **06032277** **Diagnosed** : 13 Dec 2023  
**Unique Number** : 10782068 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1369 - Berkeley-Waxahachie**  
 710 Ovilla Road  
 Waxahachie, TX  
 US 75167  
 Contact: Robert Beal  
 rbeal@transervice.com  
 T: (972)923-9928  
 F: (972)923-9919

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)