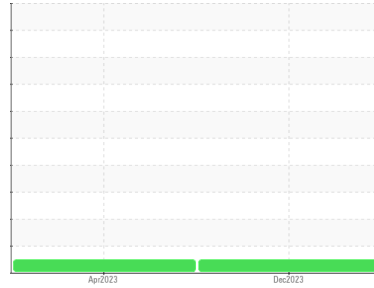


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(90309X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A66147**  
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>PCA0105921</b>	PCA0091496	---
Sample Date	Client Info		<b>14 Dec 2023</b>	06 Apr 2023	---
Machine Age	mls	Client Info	<b>747081</b>	677959	---
Oil Age	mls	Client Info	<b>69122</b>	50000	---
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 >110	<b>58</b>	32	---
Chromium	ppm	ASTM D5185m >4	<b>3</b>	2	---
Nickel	ppm	ASTM D5185m >2	<b>2</b>	1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>12</b>	8	---
Lead	ppm	ASTM D5185m >45	<b>1</b>	0	---
Copper	ppm	ASTM D5185m >85	<b>12</b>	5	---
Tin	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>65</b>	65	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m 950	<b>1113</b>	1007	---
Calcium	ppm	ASTM D5185m 1050	<b>1247</b>	1138	---
Phosphorus	ppm	ASTM D5185m 995	<b>1151</b>	1080	---
Zinc	ppm	ASTM D5185m 1180	<b>1418</b>	1321	---
Sulfur	ppm	ASTM D5185m 2600	<b>2990</b>	3409	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>20</b>	25	---
Sodium	ppm	ASTM D5185m	<b>6</b>	4	---
Potassium	ppm	ASTM D5185m >20	<b>10</b>	4	---

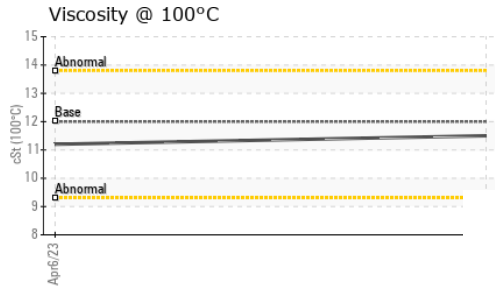
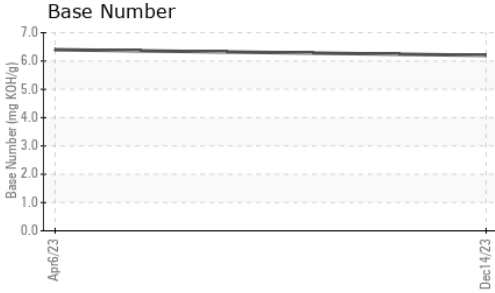
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.9</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.8</b>	9.4	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>23.2</b>	19.4	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>20.1</b>	17.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.2</b>	6.4	---

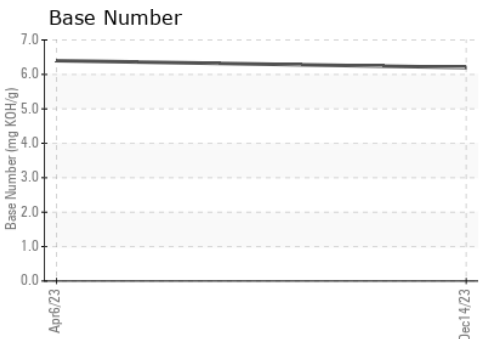
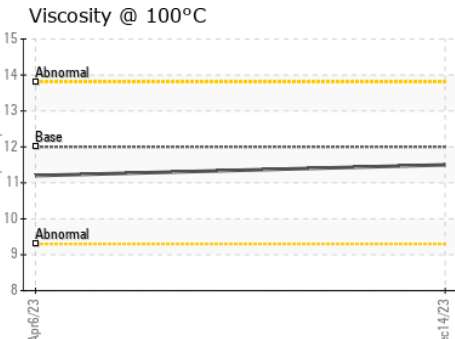
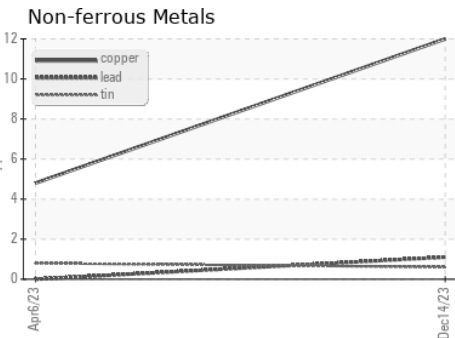
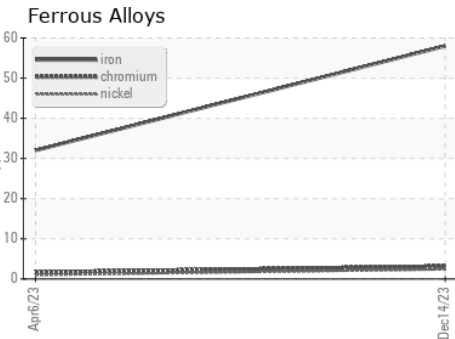
# OIL ANALYSIS REPORT



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	11.5	11.2

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105921 **Received** : 22 Dec 2023  
**Lab Number** : **06043940** **Diagnosed** : 26 Dec 2023  
**Unique Number** : 10804548 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1361 - Berkeley-Windsor**  
 4400 State Road 19  
 Windsor, WI  
 US 53598  
 Contact: Mike Hurda  
 mhurda@transervice.com  
 T: (608)846-2726  
 F: (608)846-0389

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)