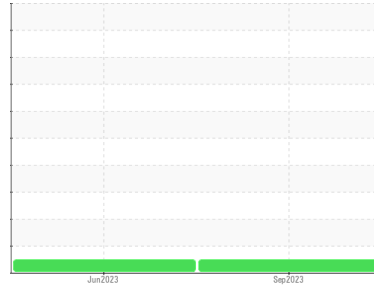


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89521X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A66207**  
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>PCA0105855</b>	PCA0091506	---
Sample Date	Client Info		<b>22 Sep 2023</b>	01 Jun 2023	---
Machine Age	mls	Client Info	<b>661855</b>	628688	---
Oil Age	mls	Client Info	<b>628688</b>	50000	---
Oil Changed	Client Info		<b>N/A</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	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >110	<b>10</b>	18	---
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>3</b>	4	---
Lead	ppm	ASTM D5185m >45	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >85	<b>2</b>	6	---
Tin	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 0	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>65</b>	72	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 950	<b>993</b>	1004	---
Calcium	ppm	ASTM D5185m 1050	<b>1074</b>	1202	---
Phosphorus	ppm	ASTM D5185m 995	<b>1048</b>	960	---
Zinc	ppm	ASTM D5185m 1180	<b>1280</b>	1207	---
Sulfur	ppm	ASTM D5185m 2600	<b>3238</b>	3167	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>5</b>	6	---
Sodium	ppm	ASTM D5185m	<b>1</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	4	---

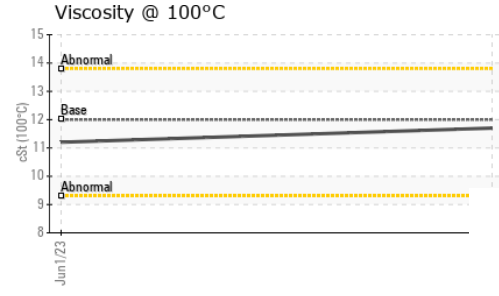
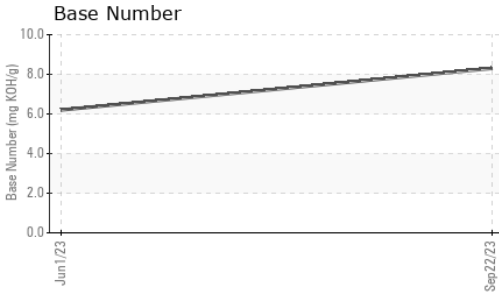
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.4</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>7.8</b>	10.3	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>18.1</b>	22.5	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>14.9</b>	20.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>8.3</b>	6.2	---

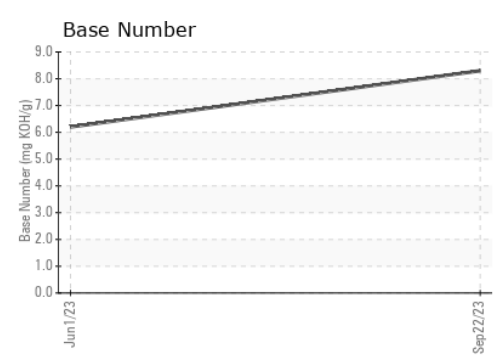
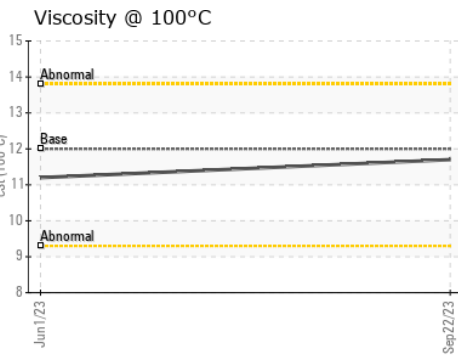
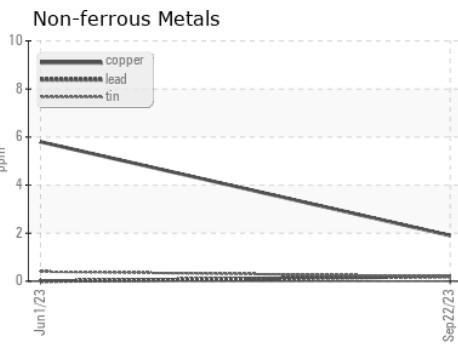
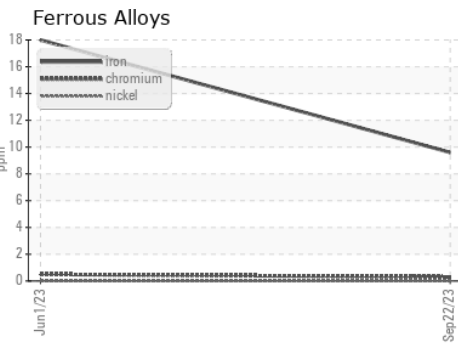
# OIL ANALYSIS REPORT



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	11.7	11.2

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105855 **Received** : 28 Sep 2023  
**Lab Number** : **05964143** **Diagnosed** : 29 Sep 2023  
**Unique Number** : 10670694 **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

Certificate L2367  
 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)