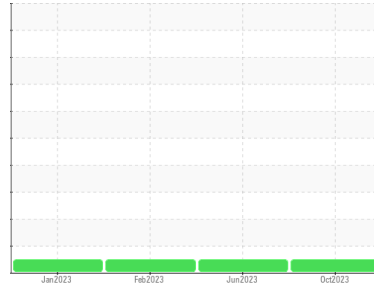


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89860X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A68119**  
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>PCA0103788</b>	PCA0094728	PCA0089801	
Sample Date	Client Info	<b>10 Oct 2023</b>	02 Jun 2023	10 Feb 2023	
Machine Age	mls	Client Info	<b>547385</b>	542492	538596
Oil Age	mls	Client Info	<b>8789</b>	3547	53899
Oil Changed	Client Info	<b>Changed</b>	Not Changd	Changed	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

### CONTAMINATION

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

### WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >80	<b>13</b>	9	18
Chromium	ppm ASTM D5185m >5	<b>&lt;1</b>	<1	2
Nickel	ppm ASTM D5185m >2	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >30	<b>6</b>	3	9
Lead	ppm ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm ASTM D5185m >150	<b>2</b>	1	3
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>6</b>	5	0
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>60</b>	61	62
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>933</b>	997	920
Calcium	ppm ASTM D5185m 1050	<b>1044</b>	1122	1077
Phosphorus	ppm ASTM D5185m 995	<b>880</b>	1034	1002
Zinc	ppm ASTM D5185m 1180	<b>1233</b>	1277	1205
Sulfur	ppm ASTM D5185m 2600	<b>2977</b>	3816	2781

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>4</b>	3	7
Sodium	ppm ASTM D5185m	<b>1</b>	<1	<1
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	2

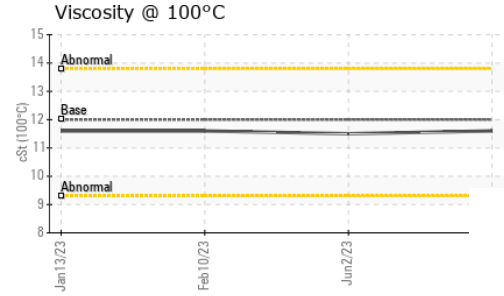
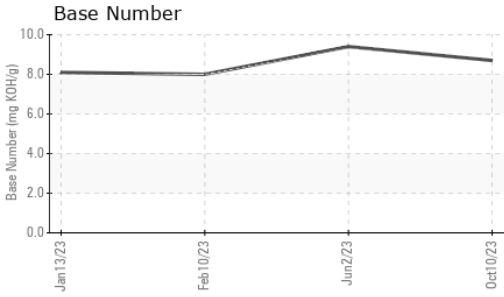
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.2</b>	0.2	0.5
Nitration	Abs/cm *ASTM D7624 >20	<b>6.2</b>	5.5	8.3
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>18.2</b>	18.2	19.5

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>13.9</b>	13.6	15.7
Base Number (BN)	mg KOH/g ASTM D2896	<b>8.7</b>	9.4	8.0

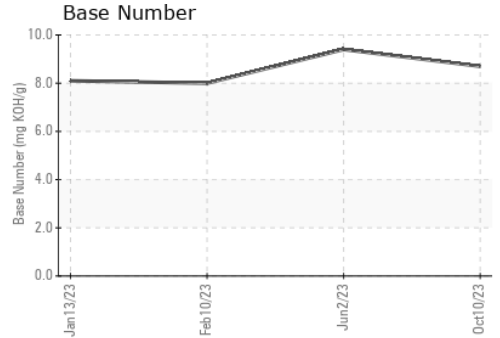
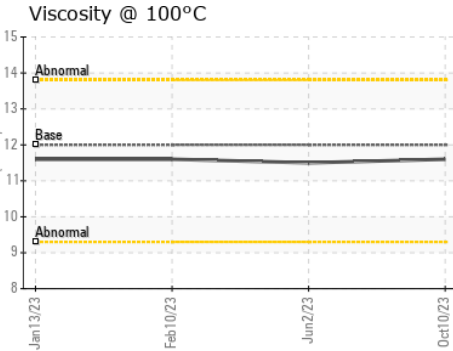
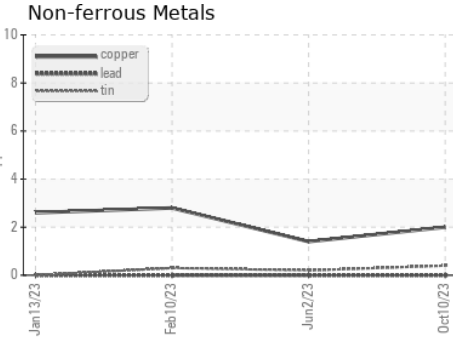
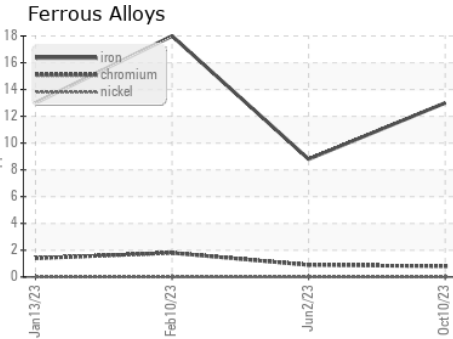
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.6	11.5

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103788 **Received** : 16 Oct 2023  
**Lab Number** : 05979329 **Diagnosed** : 17 Oct 2023  
**Unique Number** : 10696624 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1364 - Berkeley-Mt. Vernon**  
 5100 Lake Terrace NE  
 Mt. Vernon, IL  
 US 62864  
 Contact: Erien White  
 ewhite@transervice.com  
 T: (618)244-8726  
 F: (618)244-8791

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)