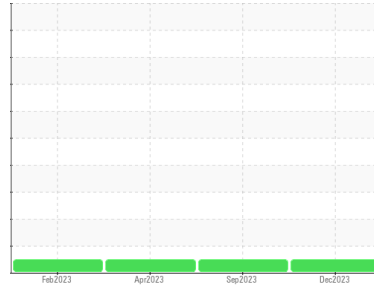


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(97187X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A62098**  
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>PCA0112799</b>	PCA0103830	PCA0094689
Sample Date	Client Info	<b>21 Dec 2023</b>	14 Sep 2023	27 Apr 2023
Machine Age	mls Client Info	<b>476330</b>	444960	417571
Oil Age	mls Client Info	<b>58759</b>	27389	57787
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
Water	WC Method >0.2	<b>NEG</b>	NEG	NEG
Glycol	WC Method	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >80	<b>29</b>	15	32
Chromium	ppm ASTM D5185m >5	<b>2</b>	2	1
Nickel	ppm ASTM D5185m >2	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >30	<b>13</b>	8	17
Lead	ppm ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm ASTM D5185m >150	<b>6</b>	5	6
Tin	ppm ASTM D5185m >5	<b>1</b>	<1	0
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>&lt;1</b>	<1	0
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>65</b>	68	69
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>1123</b>	1019	1137
Calcium	ppm ASTM D5185m 1050	<b>1220</b>	1158	1235
Phosphorus	ppm ASTM D5185m 995	<b>1162</b>	1099	1104
Zinc	ppm ASTM D5185m 1180	<b>1376</b>	1352	1443
Sulfur	ppm ASTM D5185m 2600	<b>2874</b>	3434	3066

## CONTAMINANTS

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

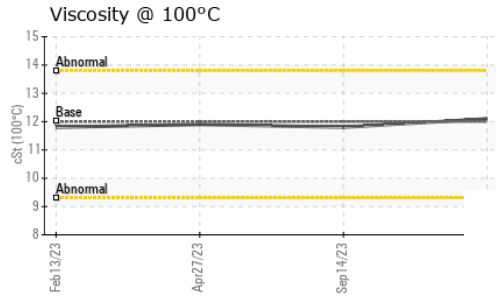
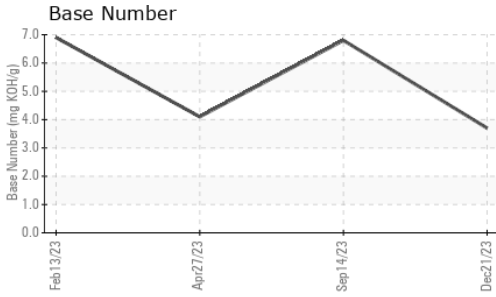
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1.3</b>	0.7	1.2
Nitration	Abs/cm *ASTM D7624 >20	<b>11.9</b>	9.2	10.8
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>26.3</b>	21.5	23.8

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>24.1</b>	17.7	21.5
Base Number (BN)	mg KOH/g ASTM D2896	<b>3.7</b>	6.8	4.1

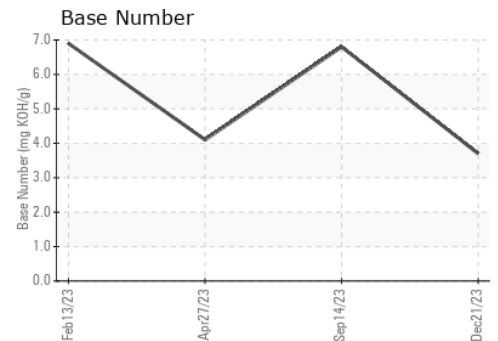
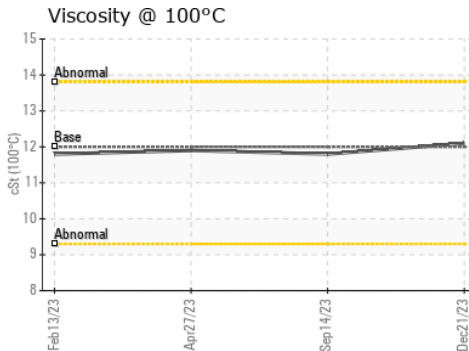
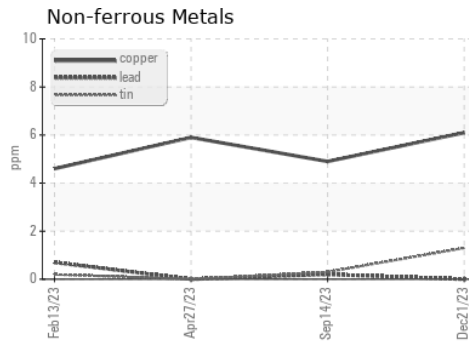
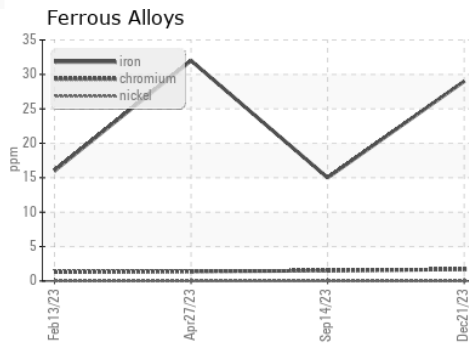
# OIL ANALYSIS REPORT



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	<b>12.1</b>	11.8	11.9

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112799 **Received** : 29 Dec 2023  
**Lab Number** : **06047552** **Diagnosed** : 29 Dec 2023  
**Unique Number** : 10808160 **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)