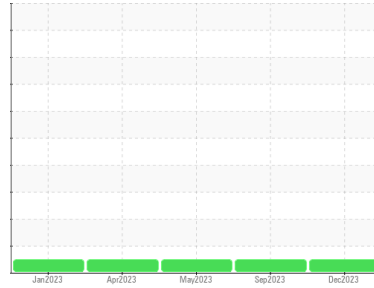


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89679X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A69100**  
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>PCA0112843</b>	PCA0103826	PCA0094706
Sample Date	Client Info	<b>11 Dec 2023</b>	15 Sep 2023	24 May 2023
Machine Age	mls Client Info	<b>617299</b>	588733	571577
Oil Age	mls Client Info	<b>45722</b>	17156	43541
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	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>16</b>	6	13
Chromium	ppm ASTM D5185m >5	<b>1</b>	<1	1
Nickel	ppm ASTM D5185m >2	<b>&lt;1</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>6</b>	<1	10
Lead	ppm ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm ASTM D5185m >150	<b>4</b>	2	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>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>&lt;1</b>	1	2
Barium	ppm ASTM D5185m 0	<b>12</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>67</b>	62	63
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	0	<1
Magnesium	ppm ASTM D5185m 950	<b>981</b>	1029	1026
Calcium	ppm ASTM D5185m 1050	<b>1112</b>	1201	1130
Phosphorus	ppm ASTM D5185m 995	<b>1022</b>	1110	1072
Zinc	ppm ASTM D5185m 1180	<b>1284</b>	1380	1363
Sulfur	ppm ASTM D5185m 2600	<b>2746</b>	4042	3501

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>5</b>	3	5
Sodium	ppm ASTM D5185m	<b>0</b>	3	1
Potassium	ppm ASTM D5185m >20	<b>3</b>	2	2

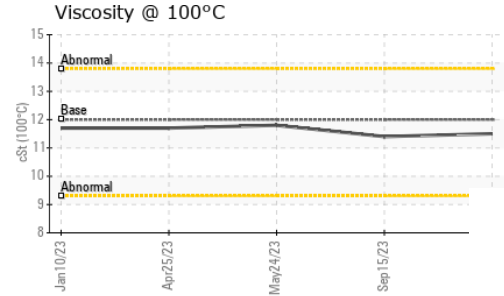
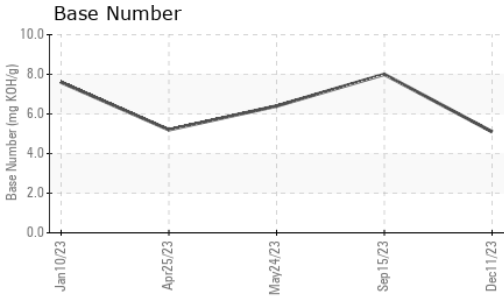
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.9</b>	0.4	0.7
Nitration	Abs/cm *ASTM D7624 >20	<b>10.3</b>	8.1	10.1
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>24.4</b>	19.8	23.4

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>21.1</b>	15.8	19.4
Base Number (BN)	mg KOH/g ASTM D2896	<b>5.1</b>	8.0	6.4

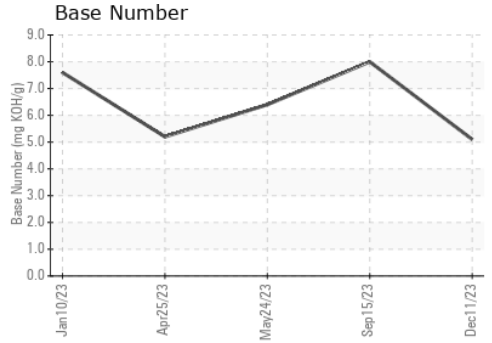
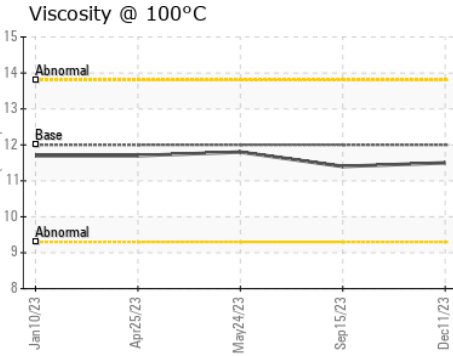
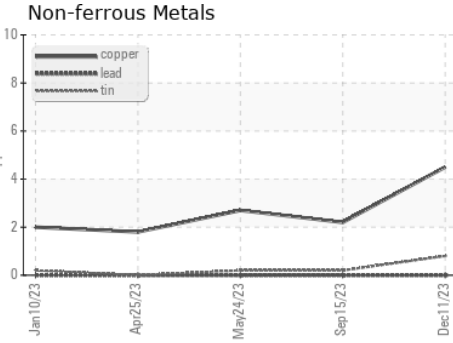
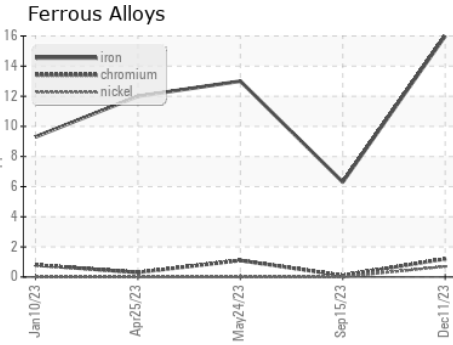
# OIL ANALYSIS REPORT



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>11.5</b>	11.4	11.8

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112843 **Received** : 15 Dec 2023  
**Lab Number** : **06035867** **Diagnosed** : 18 Dec 2023  
**Unique Number** : 10791096 **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

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)