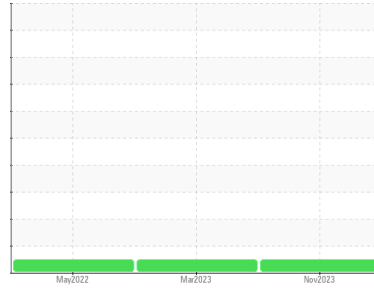


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**(14256Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61436**  
 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>PCA0111806</b>	PCA0090857	PCA0075513
Sample Date	Client Info	<b>01 Nov 2023</b>	02 Mar 2023	18 May 2022
Machine Age	mls Client Info	<b>291130</b>	249618	193504
Oil Age	mls Client Info	<b>41512</b>	56114	39700
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >2.0	<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 >100	<b>39</b>	42	20
Chromium	ppm ASTM D5185m >20	<b>2</b>	2	1
Nickel	ppm ASTM D5185m >4	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >3	<b>0</b>	<1	0
Aluminum	ppm ASTM D5185m >20	<b>4</b>	6	4
Lead	ppm ASTM D5185m >40	<b>7</b>	8	4
Copper	ppm ASTM D5185m >330	<b>&lt;1</b>	2	2
Tin	ppm ASTM D5185m >15	<b>1</b>	2	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>13</b>	3	2
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>51</b>	62	64
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>782</b>	883	890
Calcium	ppm ASTM D5185m 1050	<b>1419</b>	1095	1107
Phosphorus	ppm ASTM D5185m 995	<b>1045</b>	961	1007
Zinc	ppm ASTM D5185m 1180	<b>1329</b>	1209	1240
Sulfur	ppm ASTM D5185m 2600	<b>3092</b>	3025	2891

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>7</b>	8	5
Sodium	ppm ASTM D5185m	<b>4</b>	<1	<1
Potassium	ppm ASTM D5185m >20	<b>5</b>	8	4

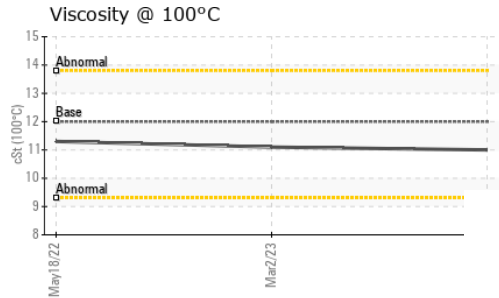
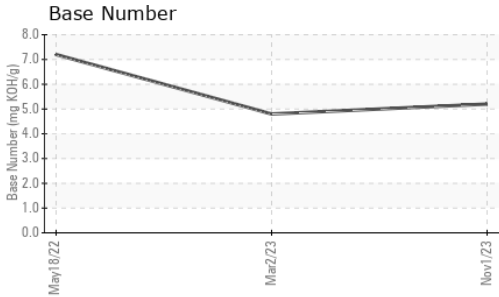
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.5</b>	0.7	0.4
Nitration	Abs/cm *ASTM D7624 >20	<b>11.0</b>	12.3	10.4
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>24.5</b>	25.6	21.7

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>20.5</b>	22.2	17.7
Base Number (BN)	mg KOH/g ASTM D2896	<b>5.2</b>	4.8	7.2

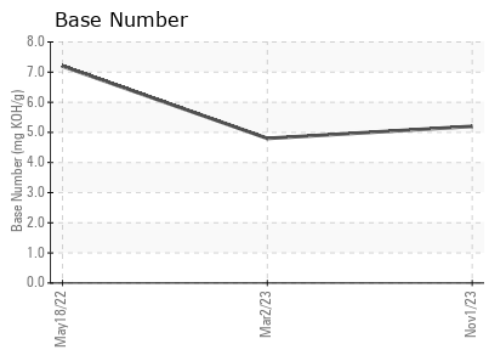
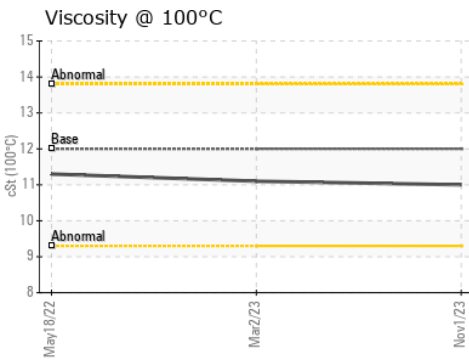
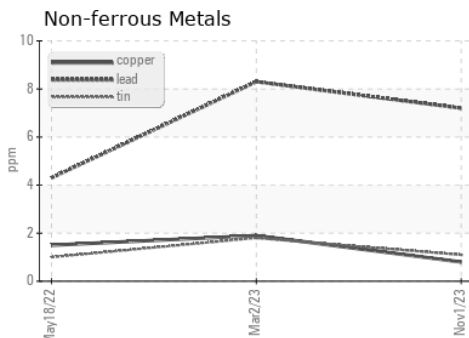
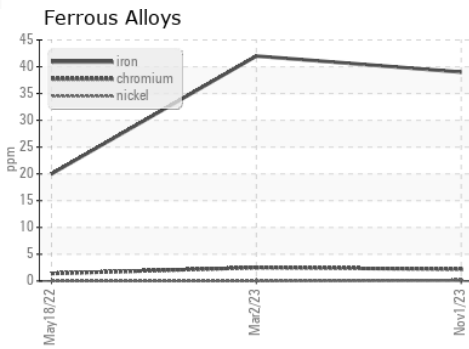
# OIL ANALYSIS REPORT



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>11.0</b>	11.1	11.3

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111806 **Received** : 06 Nov 2023  
**Lab Number** : **05999600** **Diagnosed** : 07 Nov 2023  
**Unique Number** : 10727960 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass**  
 101 Alliance Parkway  
 Willamston, SC  
 US 29697  
 Contact: Sonny Boucher  
 sboucher@transervice.com  
 T: (864)226-2304  
 F: (864)226-2329

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)