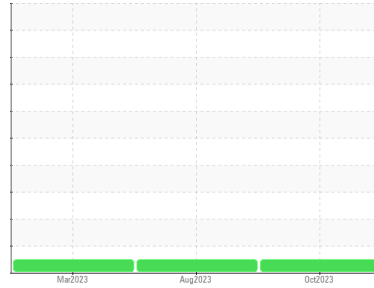


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(15603Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61345**  
 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>PCA0107378</b>	PCA0101915	PCA0092831
Sample Date	Client Info		<b>11 Oct 2023</b>	09 Aug 2023	02 Mar 2023
Machine Age	mls	Client Info	<b>398257</b>	373073	319048
Oil Age	mls	Client Info	<b>50000</b>	54025	30000
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	>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>19</b>	37	32
Chromium	ppm	ASTM D5185m >5	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>8</b>	13	14
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >150	<b>4</b>	4	5
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>5</b>	2	4
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>61</b>	66	70
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>960</b>	1004	930
Calcium	ppm	ASTM D5185m 1050	<b>1113</b>	1207	1123
Phosphorus	ppm	ASTM D5185m 995	<b>1111</b>	1113	971
Zinc	ppm	ASTM D5185m 1180	<b>1323</b>	1373	1230
Sulfur	ppm	ASTM D5185m 2600	<b>2877</b>	3333	2901

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	5	6
Sodium	ppm	ASTM D5185m	<b>1</b>	2	3
Potassium	ppm	ASTM D5185m >20	<b>6</b>	9	11

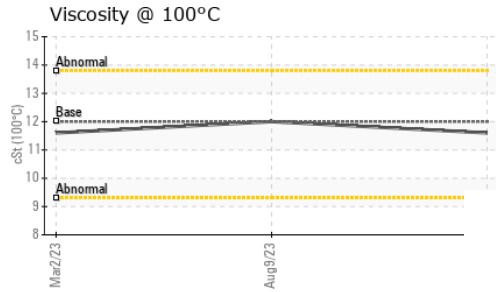
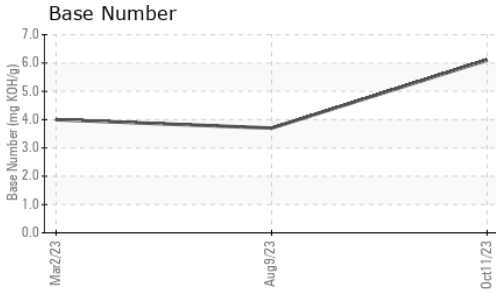
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>1</b>	1.6	1.4
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.5</b>	13.1	13.5
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>22.8</b>	28.1	27.8

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>19.2</b>	24.7	24.2
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.1</b>	3.7	4.0

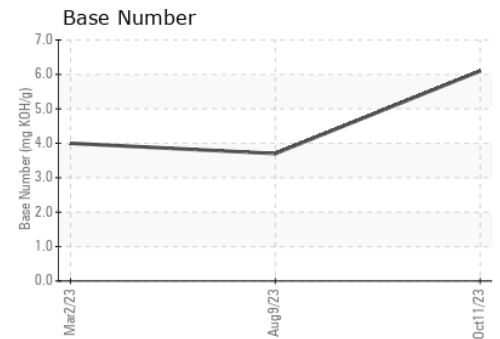
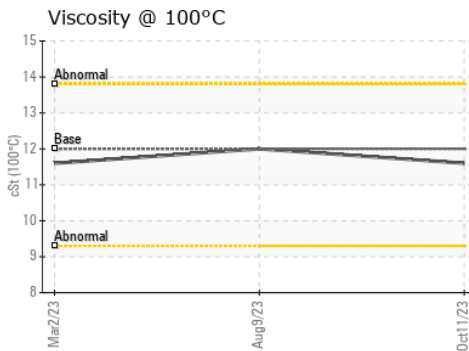
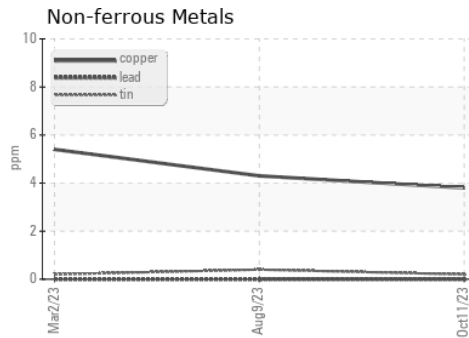
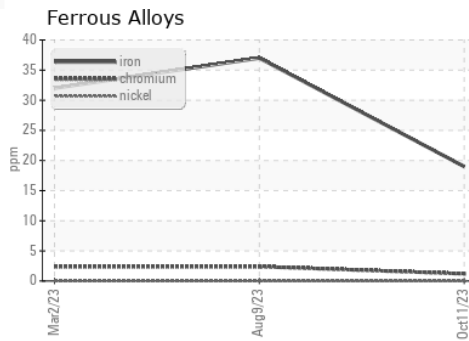
# OIL ANALYSIS REPORT



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	12.0

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0107378  
**Lab Number** : 05998592  
**Unique Number** : 10726952  
**Test Package** : FLEET

**Transervice - Shop 1370 - Berkeley-Perrysburg**  
 28727 Oregon Road  
 Perrysburg, OH  
 US 43551  
 Contact: Curtis Hart  
 chart@transervice.com  
 T: (419)666-3277  
 F: (419)666-3279

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)