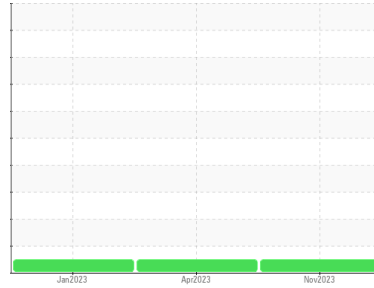


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(15592Z) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A61257**  
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>PCA0107548</b>	PCA0094716	PCA0089852
Sample Date	Client Info		<b>01 Nov 2023</b>	28 Apr 2023	27 Jan 2023
Machine Age	mls	Client Info	<b>366913</b>	331484	302580
Oil Age	mls	Client Info	<b>331484</b>	28904	60191
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
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>32</b>	17	24
Chromium	ppm	ASTM D5185m >5	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m >2	<b>0</b>	0	<1
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>17</b>	6	13
Lead	ppm	ASTM D5185m >30	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >150	<b>7</b>	5	11
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	<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>2</b>	3	0
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>65</b>	64	59
Manganese	ppm	ASTM D5185m 0	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>1052</b>	961	949
Calcium	ppm	ASTM D5185m 1050	<b>1113</b>	1081	1147
Phosphorus	ppm	ASTM D5185m 995	<b>1063</b>	1019	926
Zinc	ppm	ASTM D5185m 1180	<b>1340</b>	1272	1219
Sulfur	ppm	ASTM D5185m 2600	<b>2629</b>	2815	2742

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>6</b>	4	6
Sodium	ppm	ASTM D5185m	<b>3</b>	<1	1
Potassium	ppm	ASTM D5185m >20	<b>13</b>	6	10

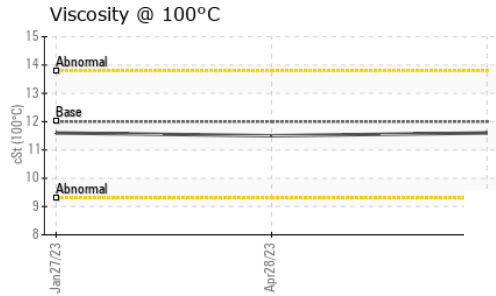
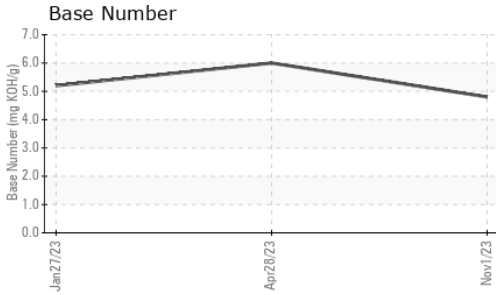
## INFRA-RED

	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>10.8</b>	8.0	10.2
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>24.4</b>	18.2	23.2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>20.8</b>	15.8	20.6
Base Number (BN)	mg KOH/g	ASTM D2896	<b>4.8</b>	6.0	5.2

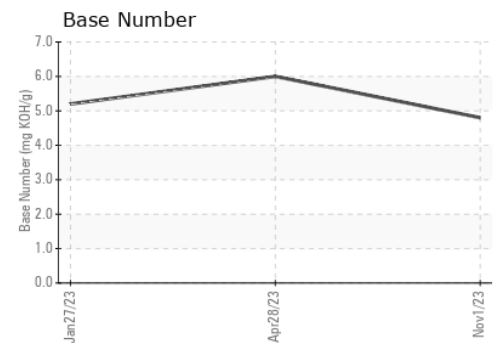
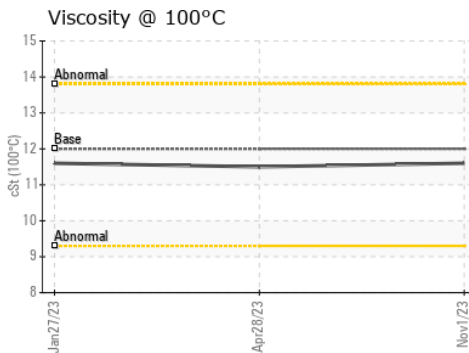
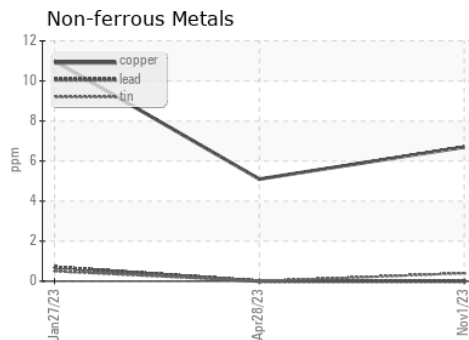
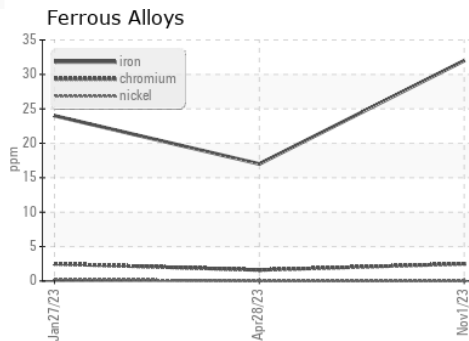
# OIL ANALYSIS REPORT



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>11.6</b>	11.5	11.6

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0107548 **Received** : 22 Nov 2023  
**Lab Number** : **06015614** **Diagnosed** : 26 Nov 2023  
**Unique Number** : 10754758 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1367 - Berkeley-Jupiter**  
 15998 Walgreens Drive  
 Jupiter, FL  
 US 33478  
 Contact: Manny Gonzalez  
 egonzalez@transervice.com  
 T: (561)776-0755  
 F: (561)776-0799

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)