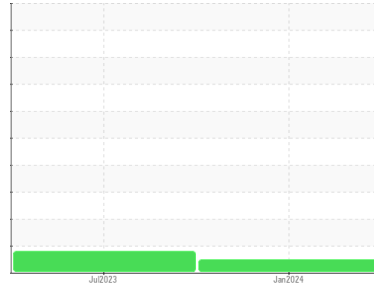


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(90268X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A63388**  
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

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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>PCA0103638</b>	PCA0093613	---
Sample Date	Client Info		<b>29 Jan 2024</b>	06 Jul 2023	---
Machine Age	mls	Client Info	<b>108509</b>	56005	---
Oil Age	mls	Client Info	<b>29997</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	N/A	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>52</b>	79	---
Chromium	ppm	ASTM D5185m >5	<b>3</b>	5	---
Nickel	ppm	ASTM D5185m >2	<b>1</b>	1	---
Titanium	ppm	ASTM D5185m	<b>8</b>	0	---
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>21</b>	60	---
Lead	ppm	ASTM D5185m >30	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >150	<b>53</b>	214	---
Tin	ppm	ASTM D5185m >5	<b>2</b>	4	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>8</b>	21	---
Barium	ppm	ASTM D5185m 0	<b>&lt;1</b>	3	---
Molybdenum	ppm	ASTM D5185m 50	<b>46</b>	48	---
Manganese	ppm	ASTM D5185m 0	<b>2</b>	4	---
Magnesium	ppm	ASTM D5185m 950	<b>755</b>	579	---
Calcium	ppm	ASTM D5185m 1050	<b>1155</b>	1780	---
Phosphorus	ppm	ASTM D5185m 995	<b>874</b>	762	---
Zinc	ppm	ASTM D5185m 1180	<b>1116</b>	949	---
Sulfur	ppm	ASTM D5185m 2600	<b>2188</b>	2240	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>7</b>	<1	---
Sodium	ppm	ASTM D5185m	<b>4</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>48</b>	148	---

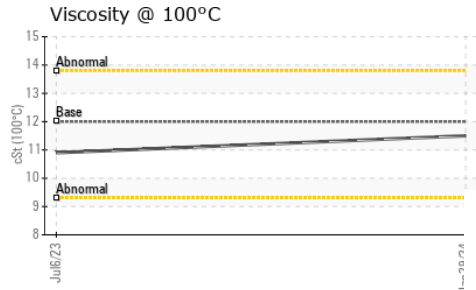
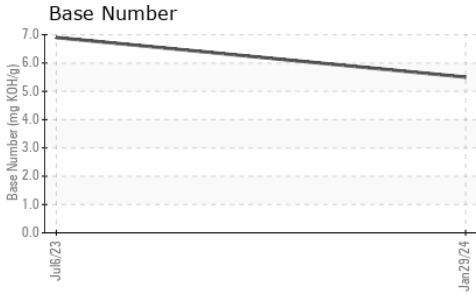
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>1.1</b>	1	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.9</b>	12.7	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>23.3</b>	24.4	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>20.3</b>	26.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.5</b>	6.9	---

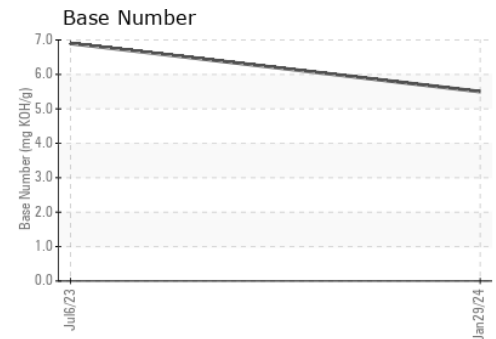
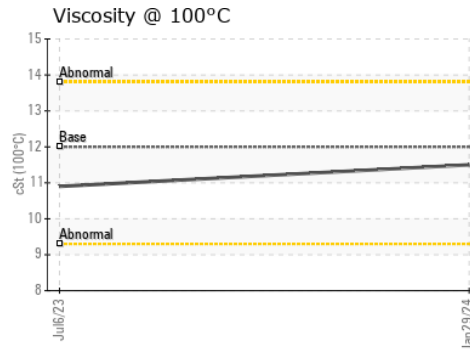
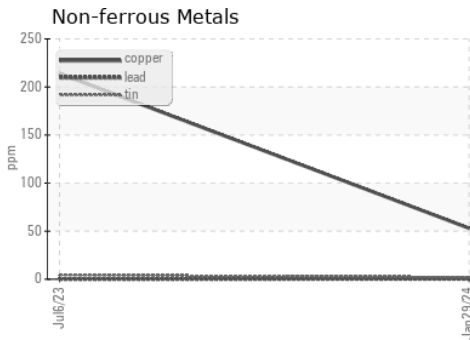
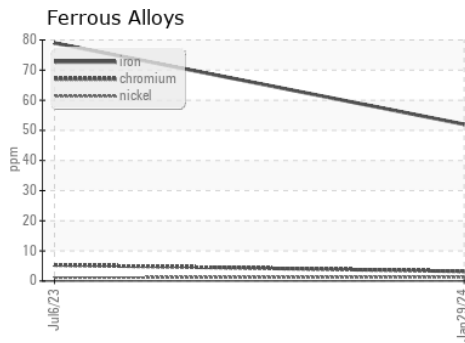
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.5	10.9

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103638 **Received** : 05 Feb 2024  
**Lab Number** : 06080525 **Diagnosed** : 06 Feb 2024  
**Unique Number** : 10862616 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1365 - Berkeley-Nazareth**  
 6813 Chrisphalt Drive  
 Bath Borough, PA  
 US 18014  
 Contact: Stephen Mackes  
 smackes@transervice.com  
 T: (610)837-8103  
 F: (610)837-8105

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)