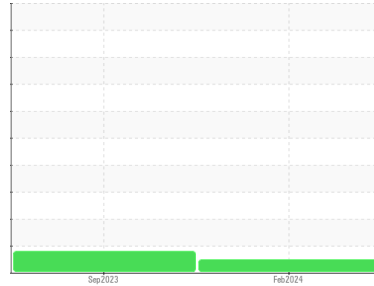


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(51458Z) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A63400**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (40 QTS)**

## 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>PCA0117295</b>	PCA0094340	---
Sample Date	Client Info		<b>23 Feb 2024</b>	27 Sep 2023	---
Machine Age	mls	Client Info	<b>0</b>	88133	---
Oil Age	mls	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
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>30</b>	49	---
Chromium	ppm	ASTM D5185m >5	<b>4</b>	6	---
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>21</b>	75	---
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >150	<b>45</b>	74	---
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	1	---
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>2</b>	2	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>64</b>	60	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m 950	<b>983</b>	926	---
Calcium	ppm	ASTM D5185m 1050	<b>1284</b>	1239	---
Phosphorus	ppm	ASTM D5185m 995	<b>1014</b>	902	---
Zinc	ppm	ASTM D5185m 1180	<b>1321</b>	1182	---
Sulfur	ppm	ASTM D5185m 2600	<b>2483</b>	2164	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>6</b>	6	---
Sodium	ppm	ASTM D5185m	<b>5</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>41</b>	172	---

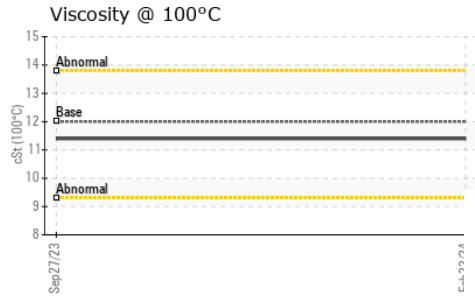
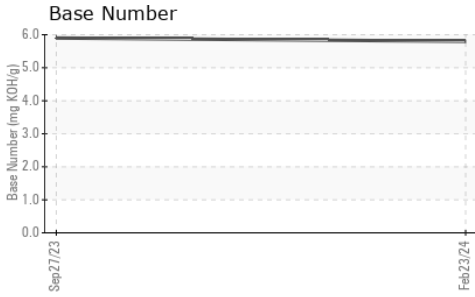
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.8</b>	0.9	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.3</b>	9.6	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.8</b>	22.1	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>18.5</b>	19.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.8</b>	5.9	---

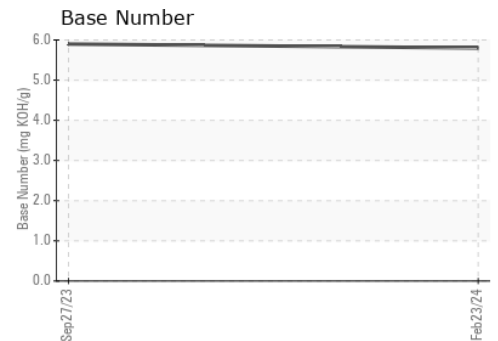
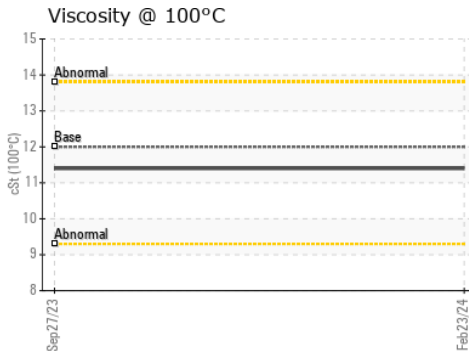
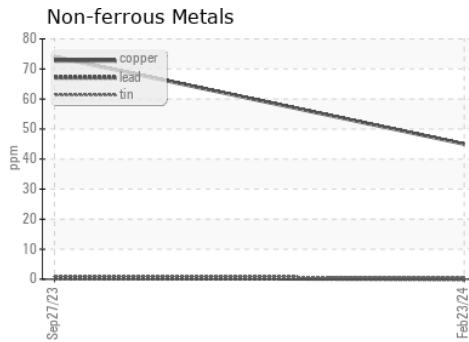
# OIL ANALYSIS REPORT



PARAMETER	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	<b>11.4</b>	11.4	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117295  
**Lab Number** : 06106586  
**Unique Number** : 10910083  
**Test Package** : FLEET

**Received** : 01 Mar 2024  
**Tested** : 04 Mar 2024  
**Diagnosed** : 04 Mar 2024 - Wes Davis

**Transervice - Shop 1363 - Berkeley-Orlando**  
 2455 Premier Row  
 Orlando, FL  
 US 32809

Contact: James Bennett  
 jbennett@transervice.com

T: (407)856-8590  
 F: (407)856-2269

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)