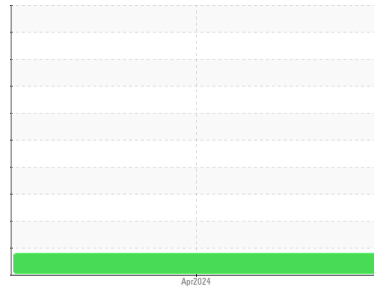


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



Area  
**(35769Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A62545**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

Exhaust valve wear is indicated.

#### 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 acceptable for the time in service.

### SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0107530</b>	---	---
Sample Date	Client Info	<b>08 Apr 2024</b>	---	---
Machine Age	mls Client Info	<b>177944</b>	---	---
Oil Age	mls Client Info	<b>177944</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

### CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >2.0	<b>&lt;1.0</b>	---	---
Water	WC Method >0.2	<b>NEG</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

### WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >100	<b>49</b>	---	---
Chromium ppm	ASTM D5185m >20	<b>3</b>	---	---
Nickel ppm	ASTM D5185m >4	<b>▲ 8</b>	---	---
Titanium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver ppm	ASTM D5185m >3	<b>&lt;1</b>	---	---
Aluminum ppm	ASTM D5185m >20	<b>9</b>	---	---
Lead ppm	ASTM D5185m >40	<b>6</b>	---	---
Copper ppm	ASTM D5185m >330	<b>26</b>	---	---
Tin ppm	ASTM D5185m >15	<b>2</b>	---	---
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium ppm	ASTM D5185m	<b>&lt;1</b>	---	---

### ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 2	<b>3</b>	---	---
Barium ppm	ASTM D5185m 0	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m 50	<b>62</b>	---	---
Manganese ppm	ASTM D5185m 0	<b>2</b>	---	---
Magnesium ppm	ASTM D5185m 950	<b>905</b>	---	---
Calcium ppm	ASTM D5185m 1050	<b>1128</b>	---	---
Phosphorus ppm	ASTM D5185m 995	<b>1063</b>	---	---
Zinc ppm	ASTM D5185m 1180	<b>1293</b>	---	---
Sulfur ppm	ASTM D5185m 2600	<b>2881</b>	---	---

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	<b>10</b>	---	---
Sodium ppm	ASTM D5185m	<b>1</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>20</b>	---	---

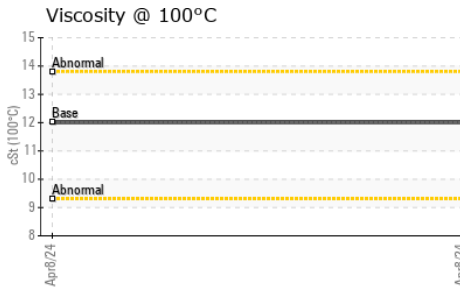
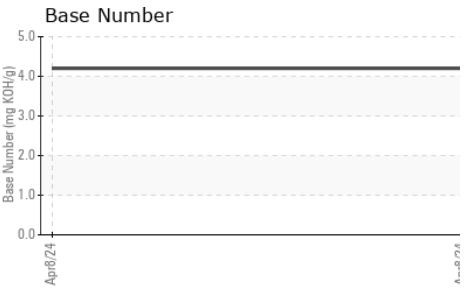
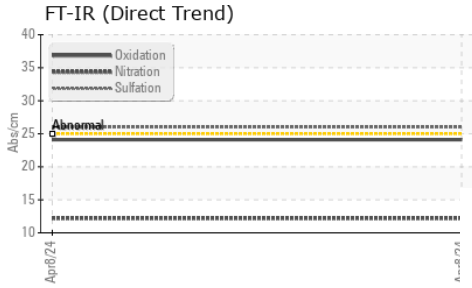
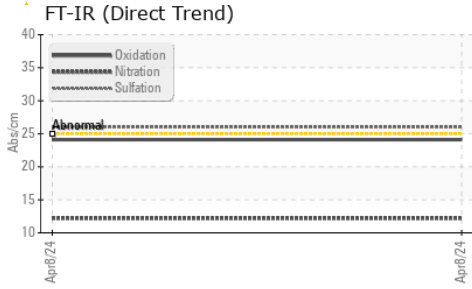
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	*ASTM D7844 >3	<b>0.5</b>	---	---
Nitration	*ASTM D7624 >20	<b>12.2</b>	---	---
Sulfation	*ASTM D7415 >30	<b>26.0</b>	---	---

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>24.1</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>4.2</b>	---	---

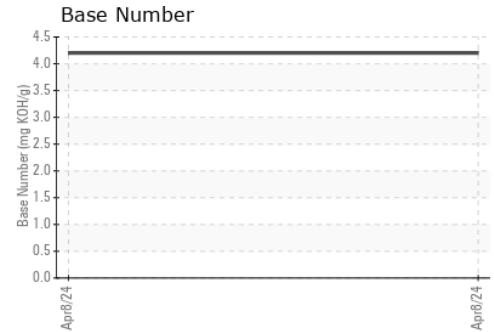
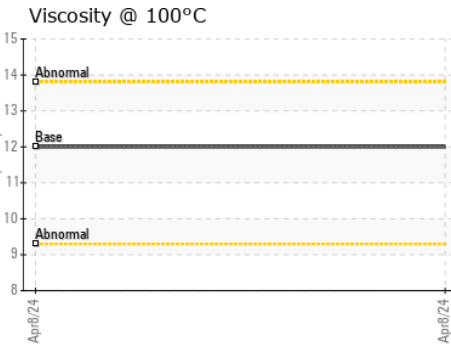
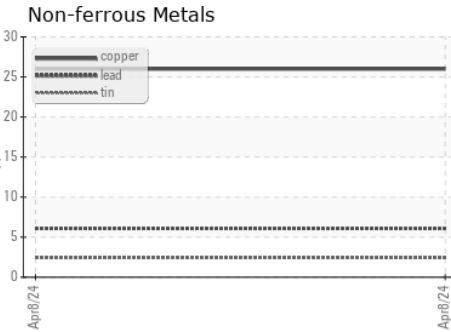
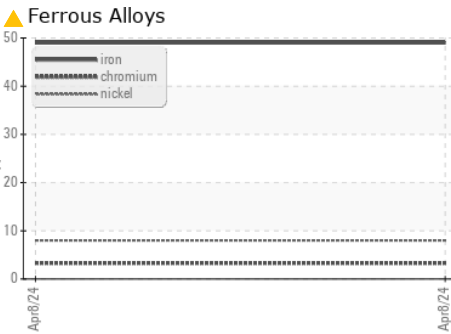
# OIL ANALYSIS REPORT



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	12.0	---	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0107530  
**Lab Number** : 06156681  
**Unique Number** : 10992104  
**Test Package** : FLEET

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Sean Felton

**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)