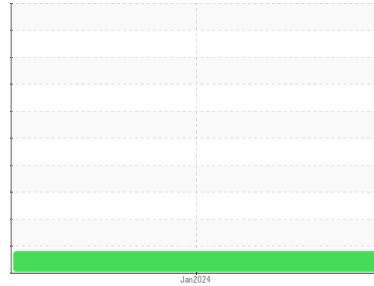


# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**Walgreens - Tractor**  
 Machine for  
**[Walgreens - Tractor] 136A63361**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

## DIAGNOSIS

- Recommendation**  
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**  
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 suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0117904</b>	---	---
Sample Date	Client Info		<b>16 Jan 2024</b>	---	---
Machine Age	mls Client Info		<b>79229</b>	---	---
Oil Age	mls Client Info		<b>20000</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</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>14</b>	---	---
Chromium	ppm ASTM D5185m	>20	<b>3</b>	---	---
Nickel	ppm ASTM D5185m	>4	<b>▲ 5</b>	---	---
Titanium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm ASTM D5185m	>20	<b>18</b>	---	---
Lead	ppm ASTM D5185m	>40	<b>2</b>	---	---
Copper	ppm ASTM D5185m	>330	<b>6</b>	---	---
Tin	ppm ASTM D5185m	>15	<b>1</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>8</b>	---	---
Barium	ppm ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	50	<b>57</b>	---	---
Manganese	ppm ASTM D5185m	0	<b>1</b>	---	---
Magnesium	ppm ASTM D5185m	950	<b>884</b>	---	---
Calcium	ppm ASTM D5185m	1050	<b>1003</b>	---	---
Phosphorus	ppm ASTM D5185m	995	<b>908</b>	---	---
Zinc	ppm ASTM D5185m	1180	<b>1170</b>	---	---
Sulfur	ppm ASTM D5185m	2600	<b>3133</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	<b>6</b>	---	---
Sodium	ppm ASTM D5185m		<b>0</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>45</b>	---	---

## INFRA-RED

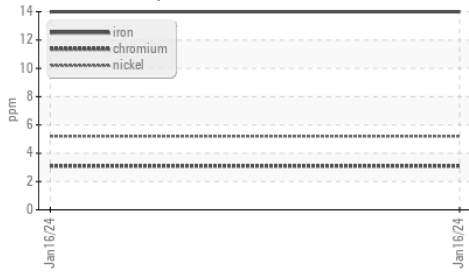
	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	<b>0.2</b>	---	---
Nitration	Abs/cm *ASTM D7624	>20	<b>7.4</b>	---	---
Sulfation	Abs/.1mm *ASTM D7415	>30	<b>19.3</b>	---	---

## FLUID DEGRADATION

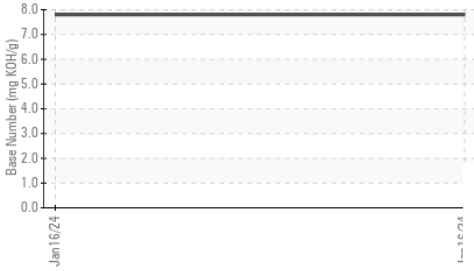
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	<b>15.4</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896		<b>7.8</b>	---	---

# OIL ANALYSIS REPORT

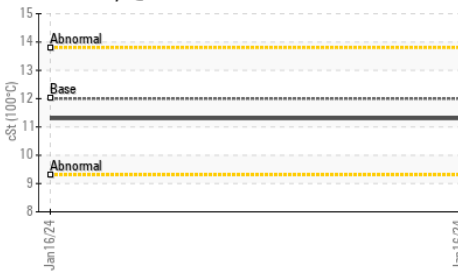
**▲ Ferrous Alloys**



**Base Number**



**Viscosity @ 100°C**

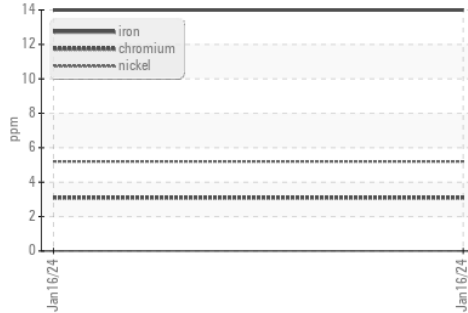


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---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

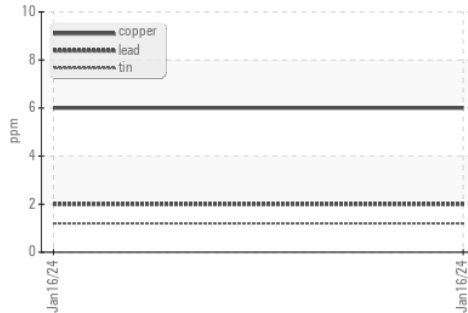
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.3</b>	---	---

**GRAPHS**

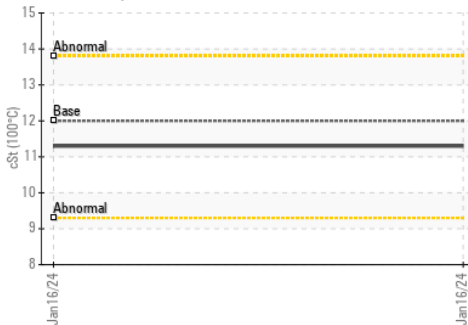
**▲ Ferrous Alloys**



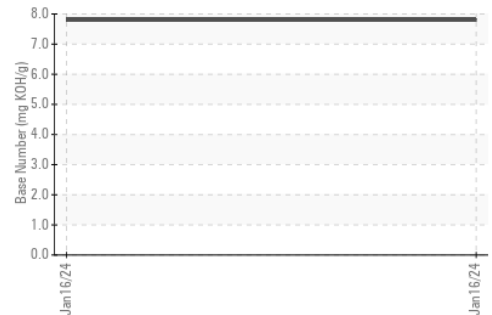
**Non-ferrous Metals**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117904  
**Lab Number** : 06092255  
**Unique Number** : 10885108  
**Test Package** : FLEET

**Received** : 16 Feb 2024  
**Tested** : 19 Feb 2024  
**Diagnosed** : 20 Feb 2024 - Jonathan Hester

**Transervice - Shop 1366 - Berkeley-Woodland**  
 2370 East Main Street  
 Woodland, CA  
 US 95776  
 Contact: Gary Mann  
 gmanna@transervice.com  
 T: (530)666-7771  
 F: (530)406-7971

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)