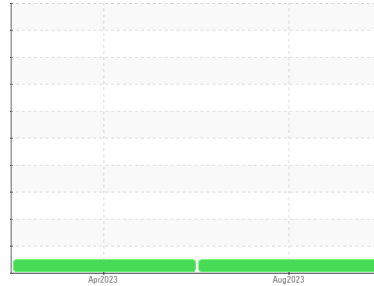


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Supermarket**  
Machine Id  
**FREIGHTLINER 107A1862**

Component  
**1 Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- 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>PCA0104116</b>	PCA0096005	---
Sample Date	Client Info			<b>15 Aug 2023</b>	06 Apr 2023	---
Machine Age	mls	Client Info		<b>172436</b>	156018	---
Oil Age	mls	Client Info		<b>16418</b>	23792	---
Oil Changed	Client Info			<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>21</b>	33	---
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>12</b>	19	---
Lead	ppm	ASTM D5185m	>30	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>3</b>	5	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

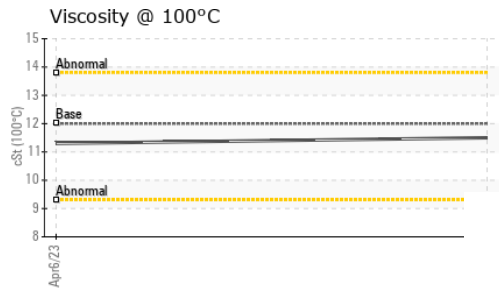
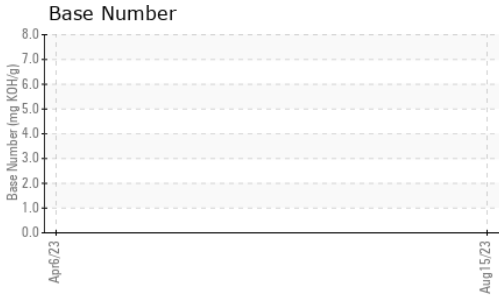
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>4</b>	4	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>65</b>	63	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m	950	<b>952</b>	981	---
Calcium	ppm	ASTM D5185m	1050	<b>1106</b>	1213	---
Phosphorus	ppm	ASTM D5185m	995	<b>980</b>	989	---
Zinc	ppm	ASTM D5185m	1180	<b>1216</b>	1334	---
Sulfur	ppm	ASTM D5185m	2600	<b>3331</b>	3135	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>7</b>	5	---
Sodium	ppm	ASTM D5185m		<b>2</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>19</b>	27	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.7</b>	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.2</b>	8.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.9</b>	19.0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.1</b>	15.9	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.8</b>	---	---

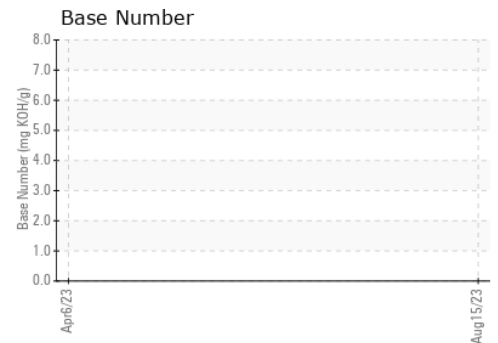
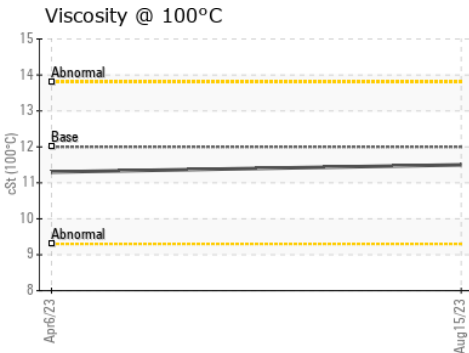
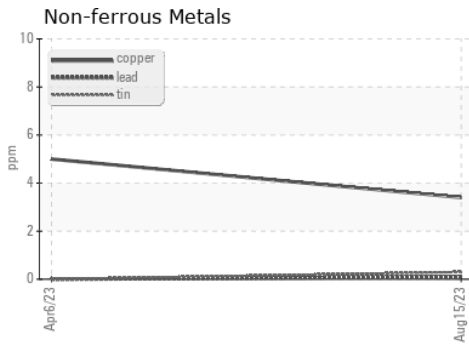
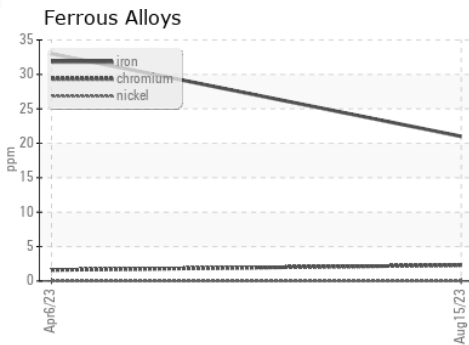
# OIL ANALYSIS REPORT



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	<b>11.5</b>	11.3	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104116 **Received** : 18 Aug 2023  
**Lab Number** : **05927991** **Diagnosed** : 20 Aug 2023  
**Unique Number** : 10607938 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1071 - Supermarket-Dayton**  
 60 A Tower Road  
 Dayton, NJ  
 US 08810  
 Contact: Brian Quinn  
 bquinn@transervice.com

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)

T:  
F: