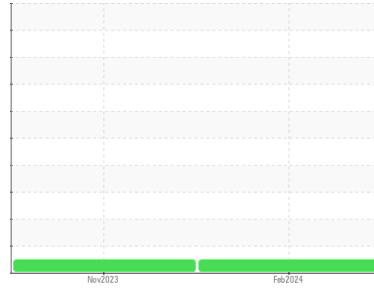


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**338233**

Component  
**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>PCA0119011</b>	PCA0112255	---
Sample Date	Client Info		<b>23 Feb 2024</b>	16 Nov 2023	---
Machine Age	mls	Client Info	<b>42757</b>	28818	---
Oil Age	mls	Client Info	<b>42757</b>	28818	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## 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 >100	<b>69</b>	68	---
Chromium	ppm	ASTM D5185m >20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m >4	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>5</b>	<1	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>24</b>	22	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >330	<b>27</b>	32	---
Tin	ppm	ASTM D5185m >15	<b>4</b>	3	---
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>22</b>	24	---
Barium	ppm	ASTM D5185m 0	<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185m 50	<b>43</b>	46	---
Manganese	ppm	ASTM D5185m 0	<b>9</b>	10	---
Magnesium	ppm	ASTM D5185m 950	<b>634</b>	560	---
Calcium	ppm	ASTM D5185m 1050	<b>1623</b>	1579	---
Phosphorus	ppm	ASTM D5185m 995	<b>885</b>	732	---
Zinc	ppm	ASTM D5185m 1180	<b>1099</b>	964	---
Sulfur	ppm	ASTM D5185m 2600	<b>2608</b>	3018	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>9</b>	10	---
Sodium	ppm	ASTM D5185m	<b>5</b>	2	---
Potassium	ppm	ASTM D5185m >20	<b>43</b>	49	---

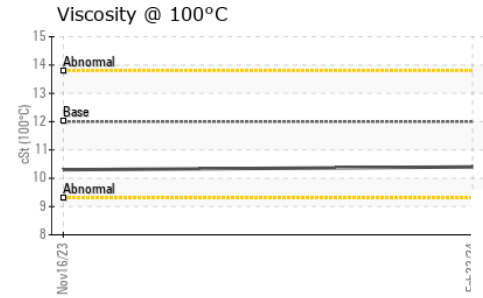
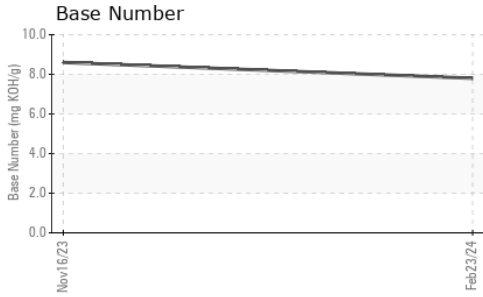
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.7</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>10.9</b>	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>22.1</b>	22.4	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>22.2</b>	21.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>7.8</b>	8.6	---

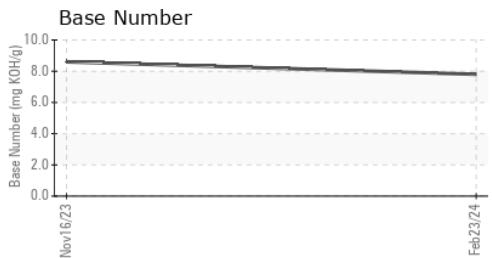
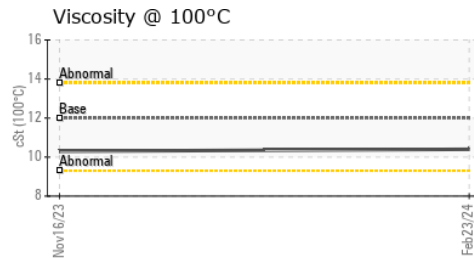
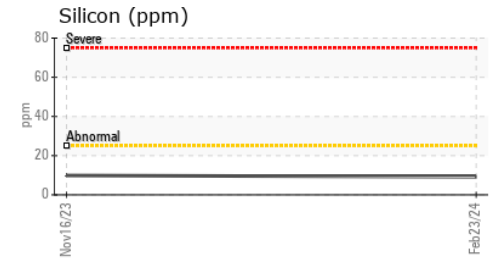
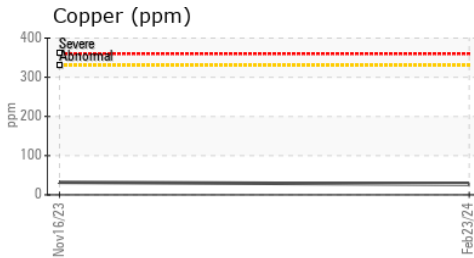
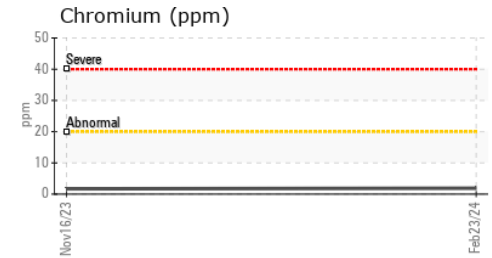
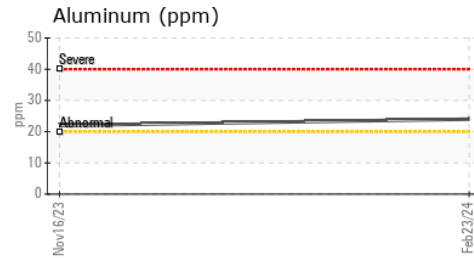
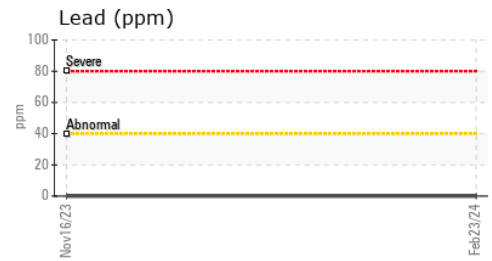
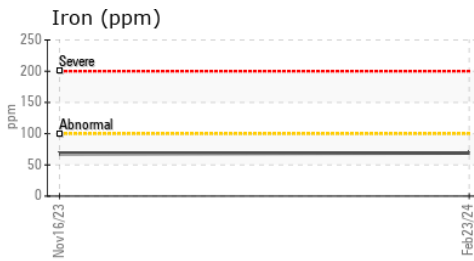
# OIL ANALYSIS REPORT



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>10.4</b>	10.3	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0119011      **Received** : 04 Mar 2024  
**Lab Number** : **06107101**      **Tested** : 04 Mar 2024  
**Unique Number** : 10910598      **Diagnosed** : 06 Mar 2024 - Jonathan Hester  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**MILLER TRUCK LEASING #118**  
 2196 BENNETT ROAD  
 PHILADELPHIA, PA  
 US 19116  
 Contact: ROSTY VITER  
 rviter@millertransgroup.com  
 T: (215)552-9832  
 F: (215)552-9892

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)