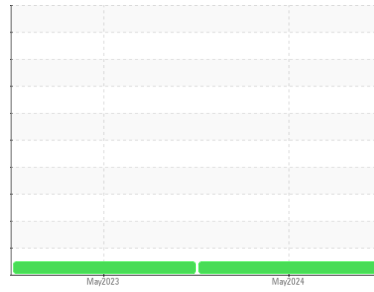


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**221506**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

Metal levels are typical for a new component breaking in.

#### 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>PCA0121725</b>	PCA0093159	---
Sample Date	Client Info	<b>06 May 2024</b>	17 May 2023	---
Machine Age	mls Client Info	<b>28298</b>	9948	---
Oil Age	mls Client Info	<b>0</b>	9948	---
Oil Changed	Client Info	<b>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	---
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>51</b>	124	---
Chromium	ppm ASTM D5185m >20	<b>1</b>	3	---
Nickel	ppm ASTM D5185m >4	<b>0</b>	1	---
Titanium	ppm ASTM D5185m	<b>0</b>	<1	---
Silver	ppm ASTM D5185m >3	<b>0</b>	<1	---
Aluminum	ppm ASTM D5185m >20	<b>17</b>	21	---
Lead	ppm ASTM D5185m >40	<b>0</b>	1	---
Copper	ppm ASTM D5185m >330	<b>12</b>	54	---
Tin	ppm ASTM D5185m >15	<b>3</b>	6	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>11</b>	46	---
Barium	ppm ASTM D5185m 0	<b>1</b>	0	---
Molybdenum	ppm ASTM D5185m 50	<b>69</b>	43	---
Manganese	ppm ASTM D5185m 0	<b>2</b>	9	---
Magnesium	ppm ASTM D5185m 950	<b>861</b>	580	---
Calcium	ppm ASTM D5185m 1050	<b>1169</b>	1730	---
Phosphorus	ppm ASTM D5185m 995	<b>1027</b>	807	---
Zinc	ppm ASTM D5185m 1180	<b>1221</b>	989	---
Sulfur	ppm ASTM D5185m 2600	<b>3405</b>	2788	---

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>4</b>	14	---
Sodium	ppm ASTM D5185m	<b>3</b>	9	---
Potassium	ppm ASTM D5185m >20	<b>29</b>	48	---

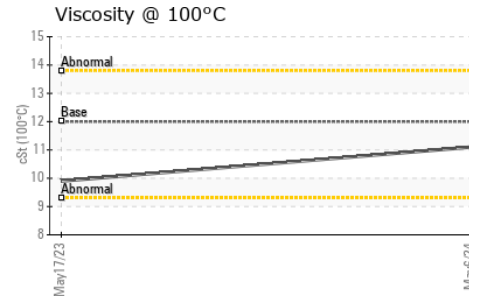
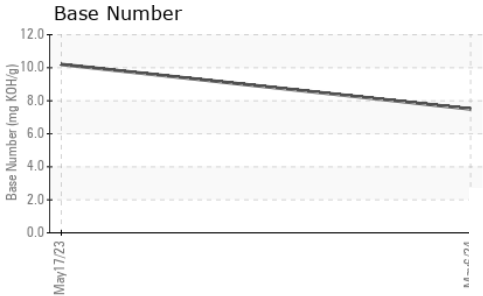
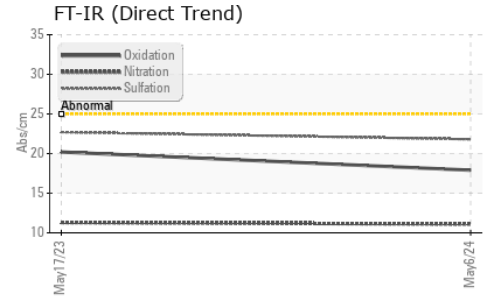
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1</b>	0.7	---
Nitration	Abs/cm *ASTM D7624 >20	<b>11.1</b>	11.3	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>21.8</b>	22.7	---

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>17.9</b>	20.2	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>7.5</b>	10.2	---

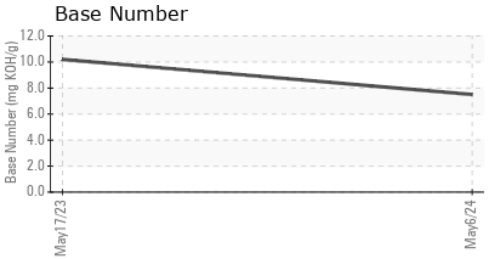
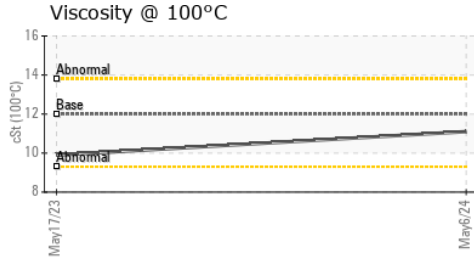
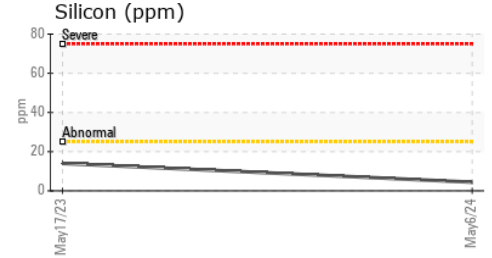
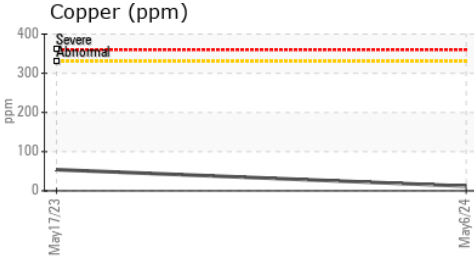
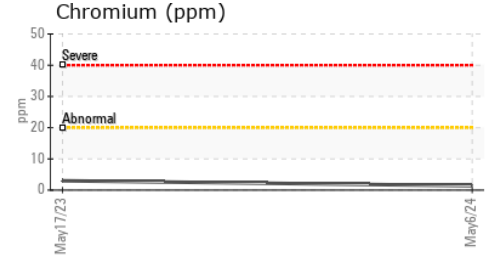
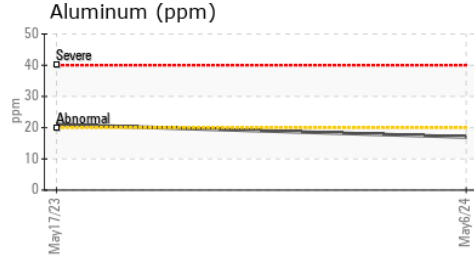
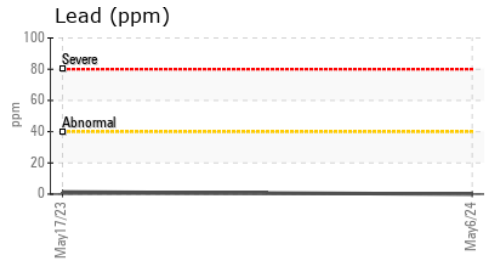
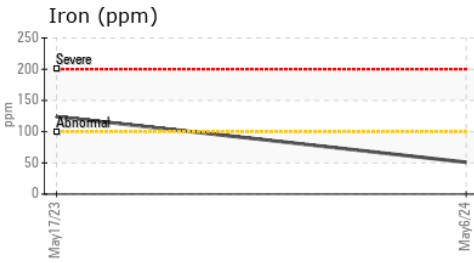
# OIL ANALYSIS REPORT



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	11.1	9.9

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0121725      **Received** : 14 May 2024  
**Lab Number** : 06178433      **Tested** : 14 May 2024  
**Unique Number** : 11029759      **Diagnosed** : 14 May 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**MILLER TRUCK LEASING #112**  
 1504 MAINLINE DR  
 CINNAMINSON, NJ  
 US 08077  
 Contact: MIKE BOYER  
 mboyer@millertransgroup.com  
 T: (856)662-4264  
 F: (856)663-4898

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)