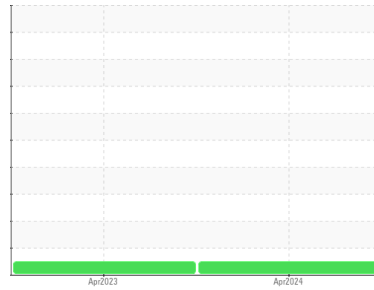


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Walgreens-Reefer**  
 Machine ID  
**[Walgreens-Reefer] 136C821003**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### 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>PCA0118810</b>	PCA0094650	---
Sample Date	Client Info		<b>02 Apr 2024</b>	03 Apr 2023	---
Machine Age	hrs	Client Info	<b>656</b>	520	---
Oil Age	hrs	Client Info	<b>136</b>	161	---
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>4</b>	3	---
Chromium	ppm	ASTM D5185m >20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >4	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m >40	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >330	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m >15	<b>0</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>5</b>	0	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 50	<b>59</b>	59	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m 950	<b>1003</b>	915	---
Calcium	ppm	ASTM D5185m 1050	<b>1162</b>	1001	---
Phosphorus	ppm	ASTM D5185m 995	<b>1097</b>	953	---
Zinc	ppm	ASTM D5185m 1180	<b>1341</b>	1214	---
Sulfur	ppm	ASTM D5185m 2600	<b>4051</b>	3374	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	4	---
Sodium	ppm	ASTM D5185m	<b>1</b>	<1	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	0	---

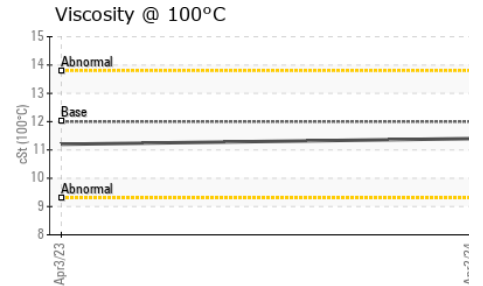
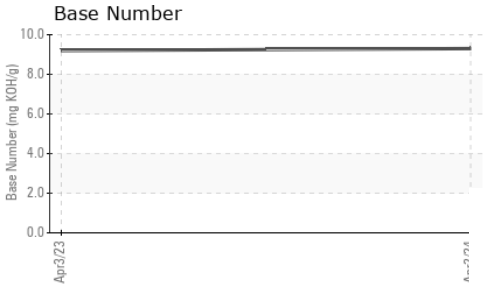
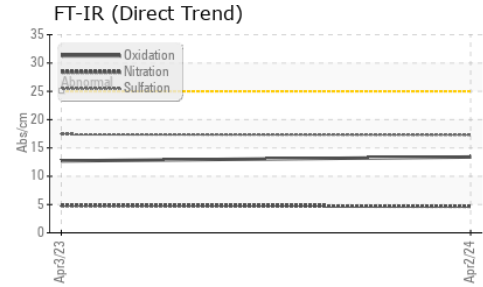
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.1</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>4.7</b>	4.8	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>17.3</b>	17.4	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>13.4</b>	12.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>9.3</b>	9.2	---

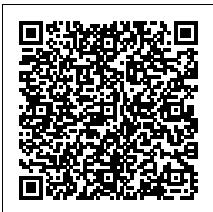
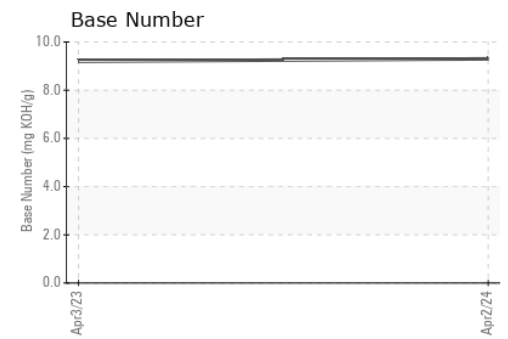
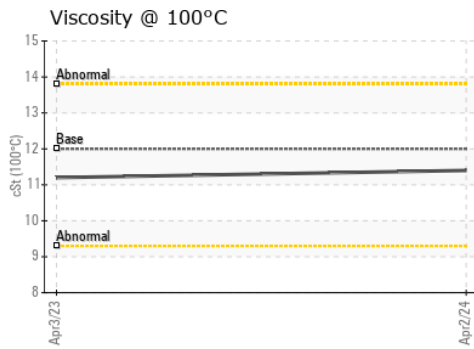
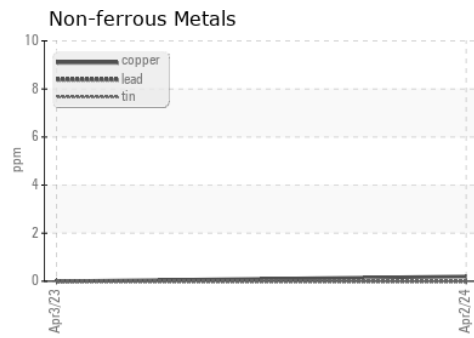
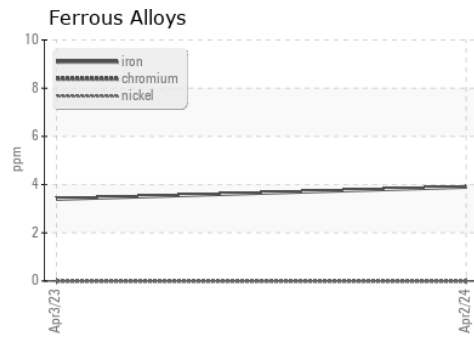
# OIL ANALYSIS REPORT



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	<b>11.4</b>	11.2	---

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0118810      **Received** : 08 Apr 2024  
**Lab Number** : **06142073**      **Tested** : 09 Apr 2024  
**Unique Number** : 10966881      **Diagnosed** : 09 Apr 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1364 - Berkeley-Mt. Vernon**  
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 Mt. Vernon, IL  
 US 62864  
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 ewhite@transervice.com  
 T: (618)244-8726  
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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)