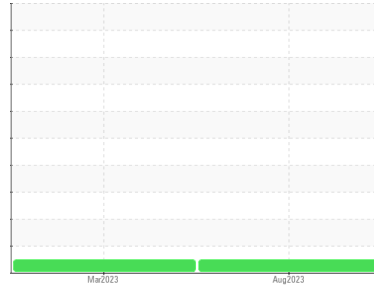


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**(16062Z) Walgreens**  
Machine Id  
**[Walgreens] 136A61352**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (11 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>PCA0099942</b>	PCA0092838	---
Sample Date	Client Info			<b>17 Aug 2023</b>	06 Mar 2023	---
Machine Age	mls	Client Info		<b>312906</b>	255919	---
Oil Age	mls	Client Info		<b>50000</b>	50000	---
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	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>14</b>	29	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>7</b>	12	---
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>4</b>	10	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

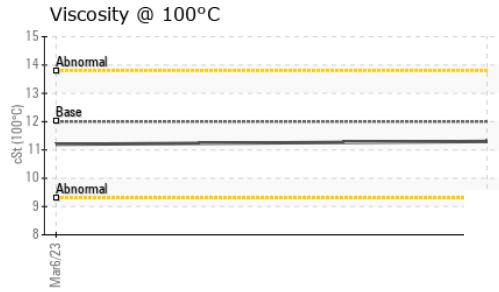
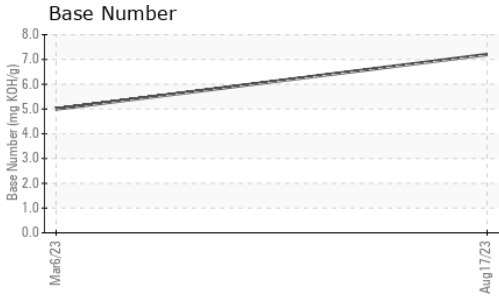
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>&lt;1</b>	3	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>64</b>	59	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	950	<b>952</b>	872	---
Calcium	ppm	ASTM D5185m	1050	<b>1153</b>	1057	---
Phosphorus	ppm	ASTM D5185m	995	<b>1019</b>	897	---
Zinc	ppm	ASTM D5185m	1180	<b>1233</b>	1153	---
Sulfur	ppm	ASTM D5185m	2600	<b>3239</b>	2806	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>2</b>	6	---
Sodium	ppm	ASTM D5185m		<b>2</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	9	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.8</b>	1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.5</b>	10.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.9</b>	23.4	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.4</b>	19.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.2</b>	5.0	---

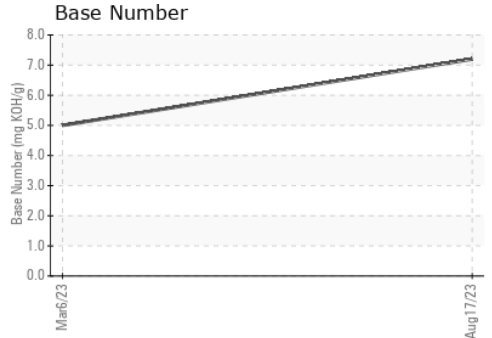
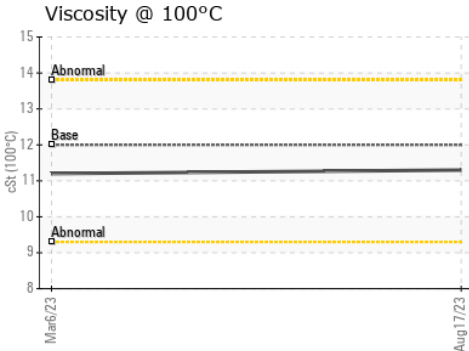
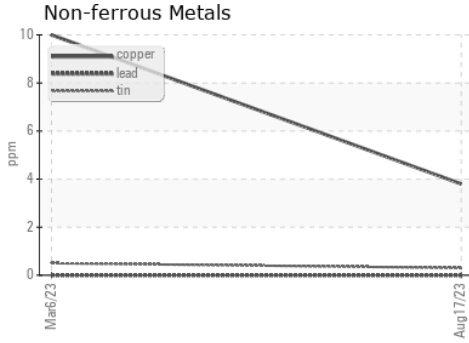
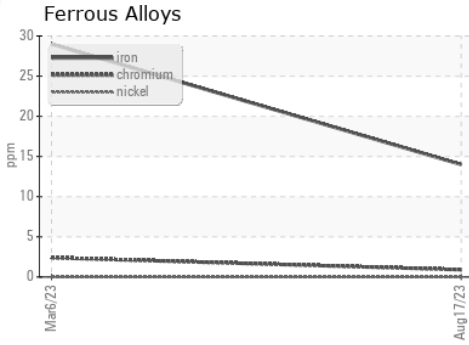
# OIL ANALYSIS REPORT



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>11.3</b>	11.2	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0099942 **Received** : 07 Sep 2023  
**Lab Number** : **05944360** **Diagnosed** : 08 Sep 2023  
**Unique Number** : 10634972 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1374 - Berkeley-Hartford**  
 80 International Drive  
 Windsor, CT  
 US 06095  
 Contact: Paul Santanella  
 psantanella@transervice.com  
 T: (860)687-1037  
 F: (860)687-1476

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)