

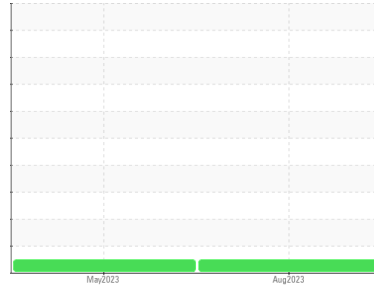
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**(89741X) Walgreens**  
 Machine Id  
**[Walgreens] 136A67179**  
 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>PCA0091539</b>	PCA0091479	---
Sample Date	Client Info	<b>29 Aug 2023</b>	03 May 2023	---
Machine Age	mls	Client Info	<b>602846</b>	587851
Oil Age	mls	Client Info	<b>50000</b>	25000
Oil Changed	Client Info	<b>Changed</b>	Oil Added	---
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 >110	<b>14</b>	10	---
Chromium	ppm ASTM D5185m >4	<b>&lt;1</b>	0	---
Nickel	ppm ASTM D5185m >2	<b>&lt;1</b>	0	---
Titanium	ppm ASTM D5185m	<b>0</b>	0	---
Silver	ppm ASTM D5185m >2	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >25	<b>2</b>	5	---
Lead	ppm ASTM D5185m >45	<b>0</b>	0	---
Copper	ppm ASTM D5185m >85	<b>52</b>	26	---
Tin	ppm ASTM D5185m >4	<b>0</b>	0	---
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>0</b>	14	---
Barium	ppm ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm ASTM D5185m 50	<b>54</b>	57	---
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	0	---
Magnesium	ppm ASTM D5185m 950	<b>816</b>	937	---
Calcium	ppm ASTM D5185m 1050	<b>1171</b>	1288	---
Phosphorus	ppm ASTM D5185m 995	<b>871</b>	1097	---
Zinc	ppm ASTM D5185m 1180	<b>1125</b>	1307	---
Sulfur	ppm ASTM D5185m 2600	<b>3050</b>	3724	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >30	<b>4</b>	3	---
Sodium	ppm ASTM D5185m	<b>2</b>	<1	---
Potassium	ppm ASTM D5185m >20	<b>4</b>	6	---

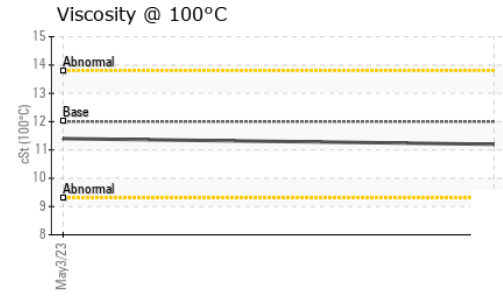
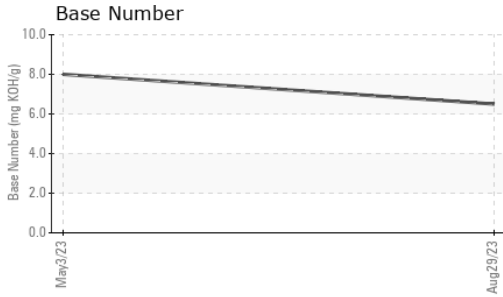
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.4</b>	0.3	---
Nitration	Abs/cm *ASTM D7624 >20	<b>9.1</b>	8.0	---
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>20.5</b>	18.8	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>17.1</b>	14.8	---
Base Number (BN)	mg KOH/g ASTM D2896	<b>6.5</b>	8.0	---

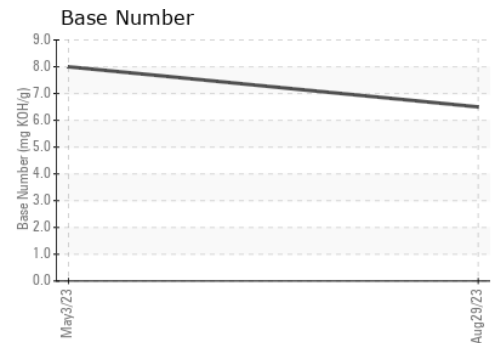
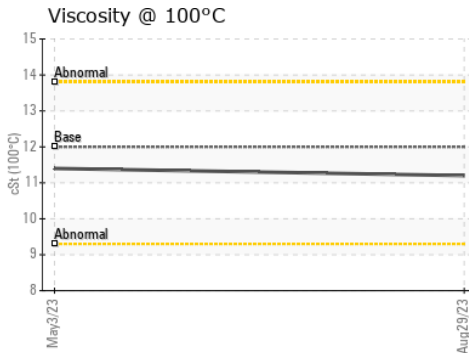
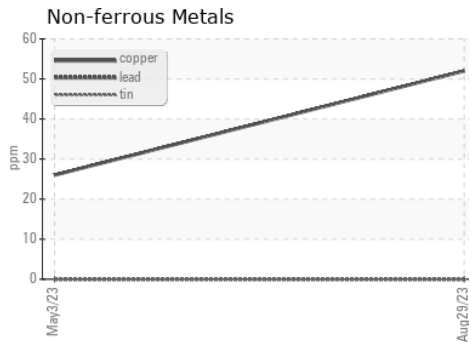
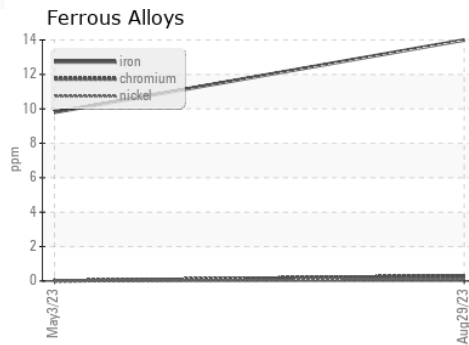
# OIL ANALYSIS REPORT



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	11.2	11.4

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0091539 **Received** : 31 Aug 2023  
**Lab Number** : **05940121** **Diagnosed** : 01 Sep 2023  
**Unique Number** : 10630733 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1361 - Berkeley-Windsor**  
 4400 State Road 19  
 Windsor, WI  
 US 53598  
 Contact: Mike Hurda  
 mhurda@transervice.com  
 T: (608)846-2726  
 F: (608)846-0389

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)