

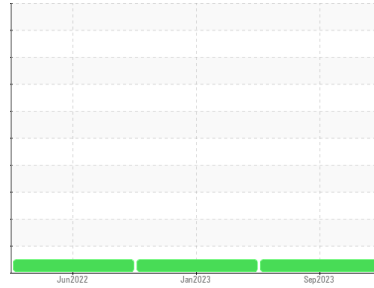
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**(89969X) Walgreens**  
Machine Id  
**[Walgreens] 136A68054**  
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>PCA0106140</b>	PCA0090881	PCA0076366
Sample Date	Client Info	<b>14 Sep 2023</b>	16 Jan 2023	29 Jun 2022
Machine Age	mls Client Info	<b>573211</b>	518925	457189
Oil Age	mls Client Info	<b>60010</b>	61736	33921
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >80	<b>44</b>	44	26
Chromium	ppm ASTM D5185m >5	<b>4</b>	4	3
Nickel	ppm ASTM D5185m >2	<b>0</b>	<1	<1
Titanium	ppm ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm ASTM D5185m >3	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >30	<b>26</b>	29	17
Lead	ppm ASTM D5185m >30	<b>0</b>	<1	<1
Copper	ppm ASTM D5185m >150	<b>7</b>	6	4
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	<1	1
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>&lt;1</b>	2	4
Barium	ppm ASTM D5185m 0	<b>0</b>	4	0
Molybdenum	ppm ASTM D5185m 50	<b>72</b>	66	62
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>923</b>	941	932
Calcium	ppm ASTM D5185m 1050	<b>1143</b>	1198	1163
Phosphorus	ppm ASTM D5185m 995	<b>1030</b>	1016	961
Zinc	ppm ASTM D5185m 1180	<b>1266</b>	1326	1248
Sulfur	ppm ASTM D5185m 2600	<b>2840</b>	2987	3162

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>11</b>	8	5
Sodium	ppm ASTM D5185m	<b>&lt;1</b>	2	1
Potassium	ppm ASTM D5185m >20	<b>4</b>	4	0

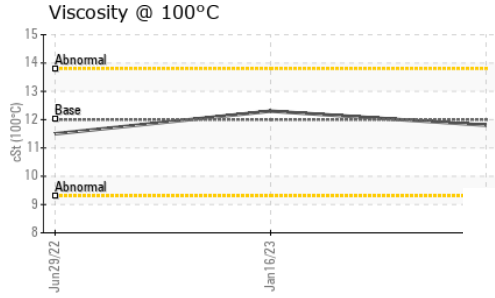
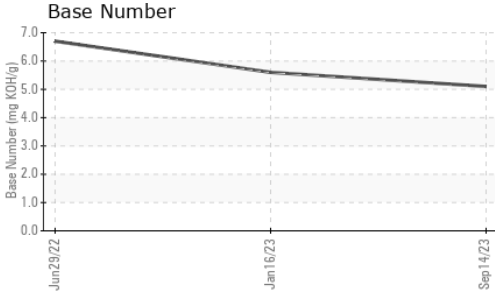
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1.6</b>	1.7	1.1
Nitration	Abs/cm *ASTM D7624 >20	<b>11.2</b>	11.6	10.1
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>24.8</b>	25.2	22.7

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>19.5</b>	20.4	17.6
Base Number (BN)	mg KOH/g ASTM D2896	<b>5.1</b>	5.6	6.7

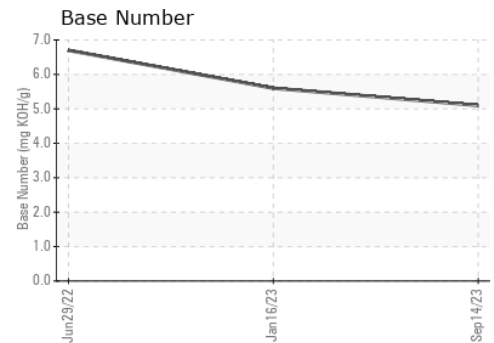
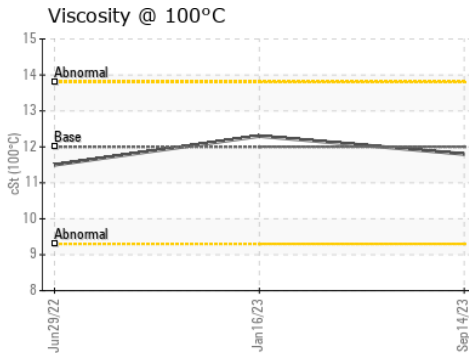
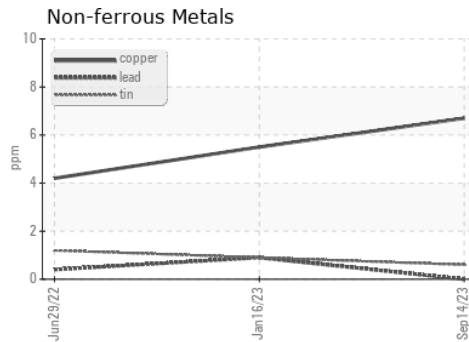
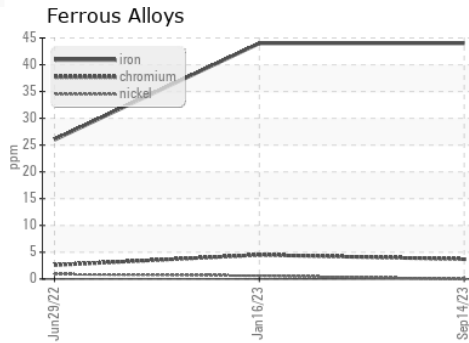
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.8</b>	12.3	11.5

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106140 **Received** : 20 Sep 2023  
**Lab Number** : **05956235** **Diagnosed** : 21 Sep 2023  
**Unique Number** : 10657448 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass**  
 101 Alliance Parkway  
 Willamston, SC  
 US 29697  
 Contact: Sonny Boucher  
 sboucher@transervice.com  
 T: (864)226-2304  
 F: (864)226-2329

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)