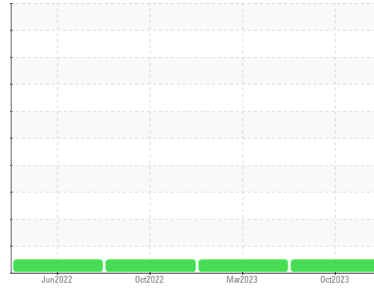


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(94707X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A62060**  
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>PCA0106172</b>	PCA0095104	PCA0082409
Sample Date	Client Info	<b>09 Oct 2023</b>	21 Mar 2023	26 Oct 2022
Machine Age	mls Client Info	<b>559602</b>	495880	428230
Oil Age	mls Client Info	<b>63722</b>	67650	63175
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>35</b>	32	39
Chromium	ppm ASTM D5185m >5	<b>2</b>	2	3
Nickel	ppm ASTM D5185m >2	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >30	<b>17</b>	19	19
Lead	ppm ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm ASTM D5185m >150	<b>5</b>	5	5
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>5</b>	10	5
Barium	ppm ASTM D5185m 0	<b>1</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>64</b>	72	66
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>963</b>	926	865
Calcium	ppm ASTM D5185m 1050	<b>1074</b>	1196	1271
Phosphorus	ppm ASTM D5185m 995	<b>1065</b>	1042	1010
Zinc	ppm ASTM D5185m 1180	<b>1294</b>	1289	1253
Sulfur	ppm ASTM D5185m 2600	<b>2531</b>	2495	3207

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>8</b>	8	8
Sodium	ppm ASTM D5185m	<b>1</b>	<1	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	3	4

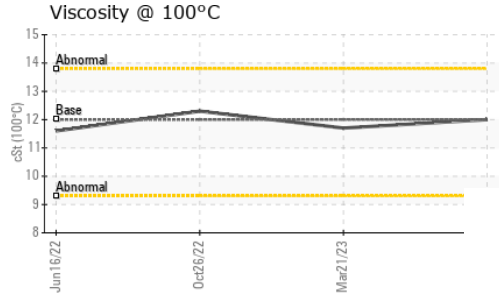
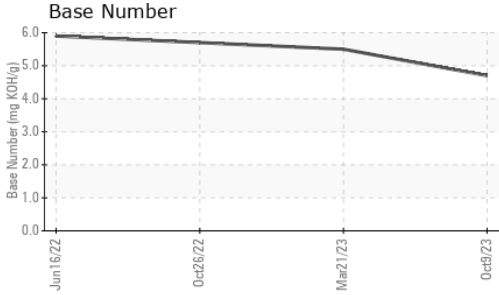
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1.5</b>	1.2	1.6
Nitration	Abs/cm *ASTM D7624 >20	<b>11.5</b>	11.7	12.5
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>25.4</b>	25.1	28.4

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>21.5</b>	21.3	23.1
Base Number (BN)	mg KOH/g ASTM D2896	<b>4.7</b>	5.5	5.7

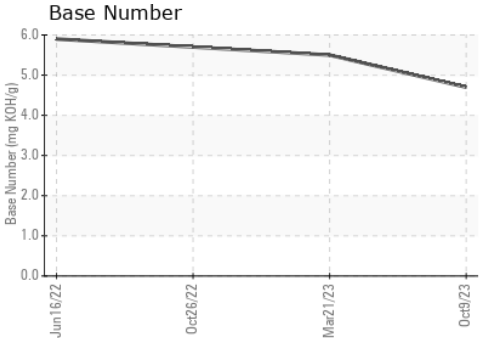
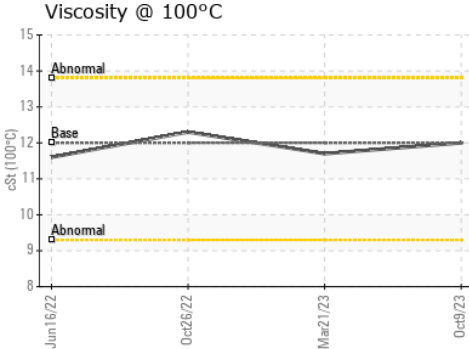
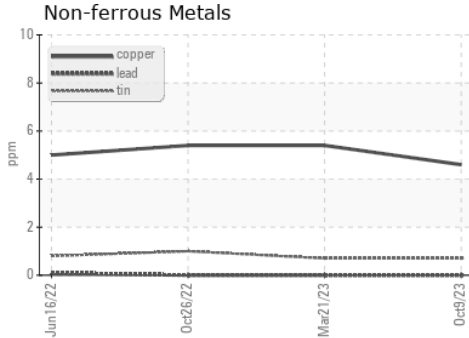
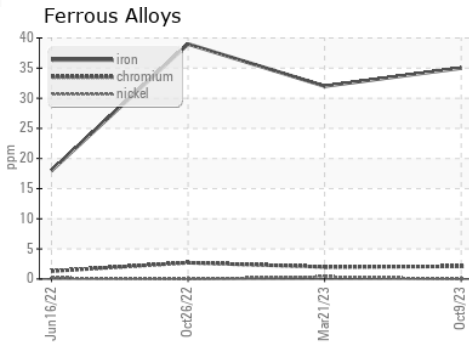
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>12.0</b>	11.7

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106172 **Received** : 18 Oct 2023  
**Lab Number** : **05982224** **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10699519 **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)