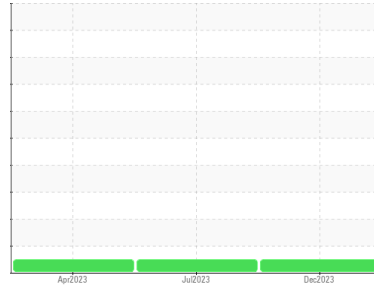


# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**(89628X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A68016**  
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>PCA0110537</b>	PCA0093487	PCA0096557
Sample Date	Client Info		<b>04 Dec 2023</b>	31 Jul 2023	20 Apr 2023
Machine Age	mls	Client Info	<b>207899</b>	198161	186257
Oil Age	mls	Client Info	<b>9738</b>	11904	186257
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
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	WC Method		<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >80	<b>21</b>	29	21
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>6</b>	13	6
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>5</b>	8	<1
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >150	<b>1</b>	2	1
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>&lt;1</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>16</b>	10	8
Barium	ppm	ASTM D5185m 0	<b>0</b>	1	0
Molybdenum	ppm	ASTM D5185m 50	<b>50</b>	46	48
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>780</b>	722	772
Calcium	ppm	ASTM D5185m 1050	<b>1049</b>	1240	1318
Phosphorus	ppm	ASTM D5185m 995	<b>842</b>	905	917
Zinc	ppm	ASTM D5185m 1180	<b>1063</b>	1108	1180
Sulfur	ppm	ASTM D5185m 2600	<b>2769</b>	2986	3355

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	7	7
Sodium	ppm	ASTM D5185m	<b>2</b>	6	2
Potassium	ppm	ASTM D5185m >20	<b>6</b>	13	2

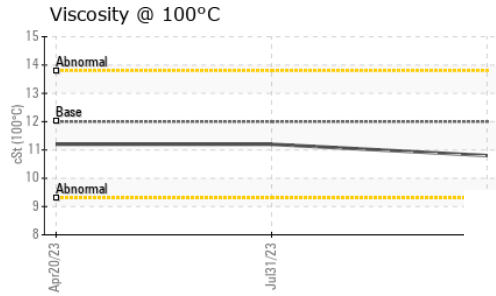
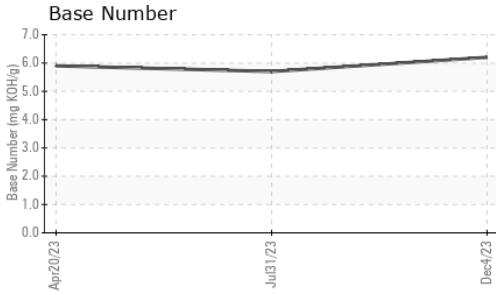
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.5</b>	0.7	0.7
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.7</b>	10.7	10.4
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.6</b>	22.7	22.4

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>16.4</b>	18.8	18.2
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.2</b>	5.7	5.9

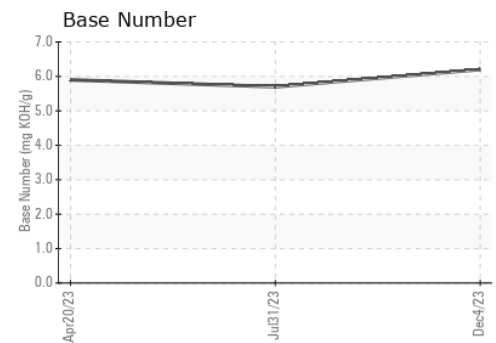
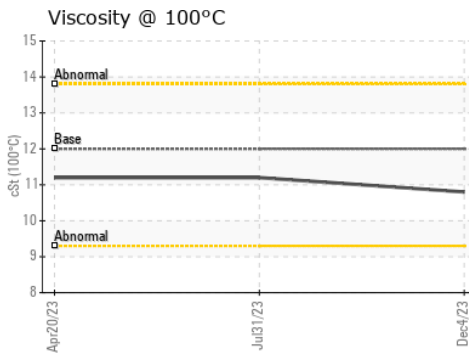
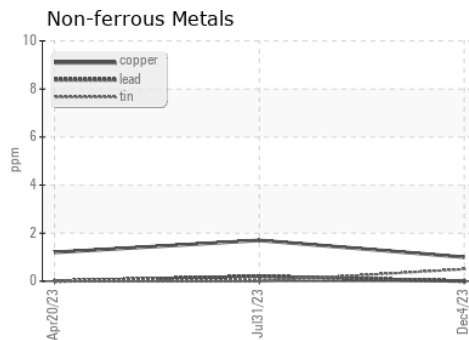
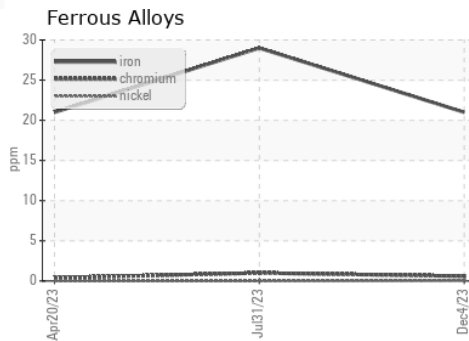
# OIL ANALYSIS REPORT



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>10.8</b>	11.2

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110537 **Received** : 20 Dec 2023  
**Lab Number** : **06040478** **Diagnosed** : 21 Dec 2023  
**Unique Number** : 10795707 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET ( Additional Tests: FT-IR(Diff) )

**Transervice - Shop 1376 - Berkeley-Linden**  
 3425 Tremley Point Road  
 Linden, NJ  
 US 07036  
 Contact: Shop 1376 Oil Analysis  
 shop1376@transervice.com

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)

T:  
F: