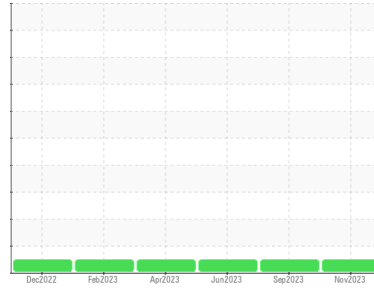


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(92086X) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A62024**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. 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>PCA0112890</b>	PCA0103853	PCA0100252	
Sample Date	Client Info	<b>16 Nov 2023</b>	07 Sep 2023	30 Jun 2023	
Machine Age	mls	Client Info	<b>657974</b>	626645	595458
Oil Age	mls	Client Info	<b>62516</b>	31187	57831
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed	
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL	

### CONTAMINATION

method	limit/base	current	history1	history2
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>28</b>	18	31
Chromium	ppm	ASTM D5185m >5	<b>2</b>	1	2
Nickel	ppm	ASTM D5185m >2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	<1
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>16</b>	11	17
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >150	<b>4</b>	5	5
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 2	<b>2</b>	0	<1
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>60</b>	64	65
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>963</b>	1066	1078
Calcium	ppm	ASTM D5185m 1050	<b>1082</b>	1187	1183
Phosphorus	ppm	ASTM D5185m 995	<b>1137</b>	1073	1059
Zinc	ppm	ASTM D5185m 1180	<b>1325</b>	1374	1359
Sulfur	ppm	ASTM D5185m 2600	<b>2598</b>	3413	3037

### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >20	<b>6</b>	5	5
Sodium	ppm	ASTM D5185m	<b>4</b>	2	4
Potassium	ppm	ASTM D5185m >20	<b>3</b>	2	3
Fuel	%	ASTM D3524 >5	<b>0.3</b>	<1.0	<1.0

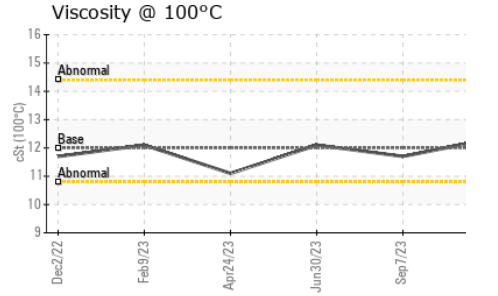
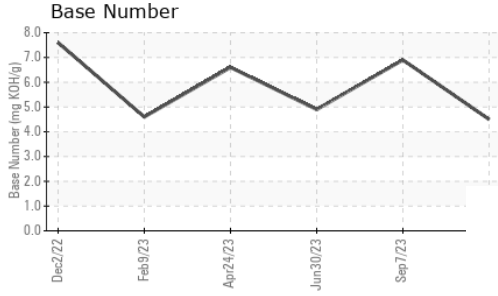
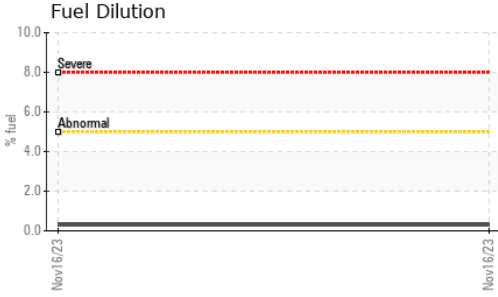
### INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844 >3	<b>1.3</b>	0.7	1.2
Nitration	Abs/cm	*ASTM D7624 >20	<b>12.2</b>	9.6	11.6
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>27.0</b>	20.4	26.1

### FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>24.7</b>	16.2	24.2
Base Number (BN)	mg KOH/g	ASTM D2896	<b>4.5</b>	6.9	4.9

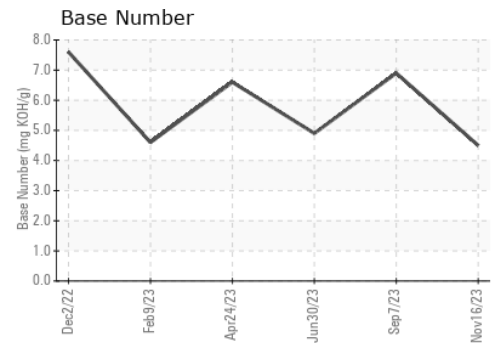
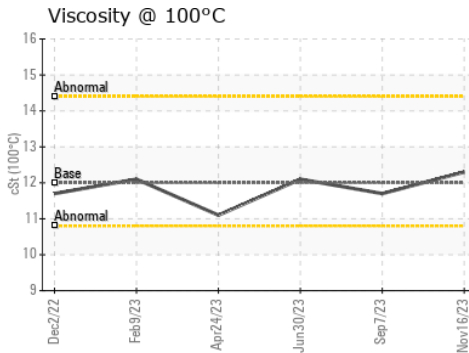
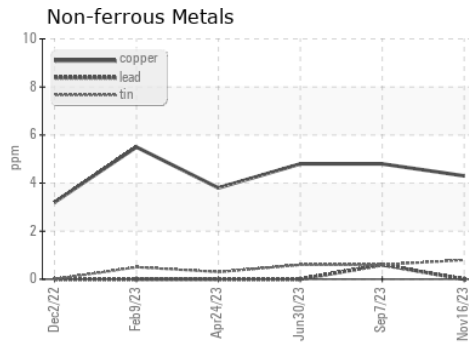
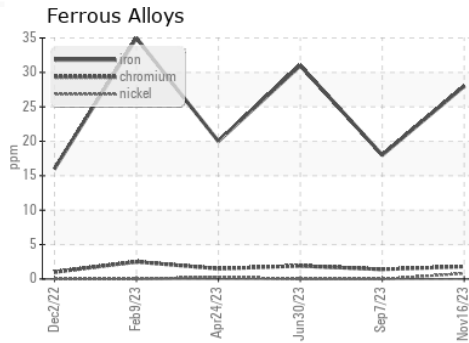
# OIL ANALYSIS REPORT



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>12.3</b>	11.7	12.1

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112890 **Received** : 27 Nov 2023  
**Lab Number** : 06017701 **Diagnosed** : 01 Dec 2023  
**Unique Number** : 10756845 **Diagnostician** : Doug Bogart  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**Transervice - Shop 1364 - Berkeley-Mt. Vernon**  
 5100 Lake Terrace NE  
 Mt. Vernon, IL  
 US 62864  
 Contact: Erien White  
 ewhite@transervice.com  
 T: (618)244-8726  
 F: (618)244-8791

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)