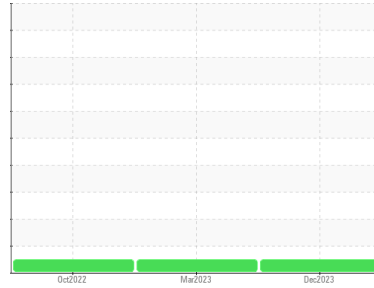


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(89660X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A69081**  
 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>PCA0111777</b>	PCA0095109	PCA0082403
Sample Date	Client Info			<b>01 Dec 2023</b>	27 Mar 2023	11 Oct 2022
Machine Age	mls Client Info			<b>647303</b>	586858	527104
Oil Age	mls Client Info			<b>78445</b>	59754	39870
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>3</b>	4	35
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	2
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	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>1</b>	1	14
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>150	<b>1</b>	0	9
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

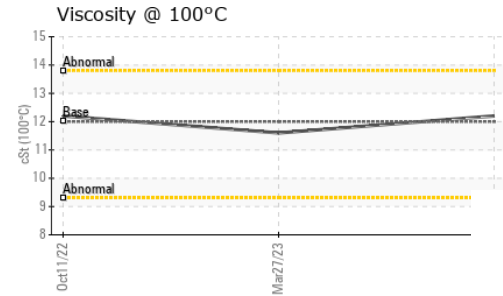
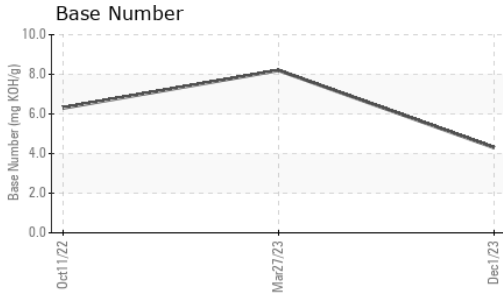
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	4	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>53</b>	59	47
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	950	<b>883</b>	974	744
Calcium	ppm	ASTM D5185m	1050	<b>1004</b>	1108	1422
Phosphorus	ppm	ASTM D5185m	995	<b>963</b>	1031	918
Zinc	ppm	ASTM D5185m	1180	<b>1177</b>	1322	1246
Sulfur	ppm	ASTM D5185m	2600	<b>2801</b>	3402	3121

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>2</b>	5	7
Sodium	ppm	ASTM D5185m		<b>5</b>	<1	2
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	5

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.7</b>	0.2	1.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>12.0</b>	4.6	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>26.6</b>	16.1	26.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.0</b>	12.7	20.5
Base Number (BN)	mg KOH/g	ASTM D2896		<b>4.3</b>	8.2	6.3

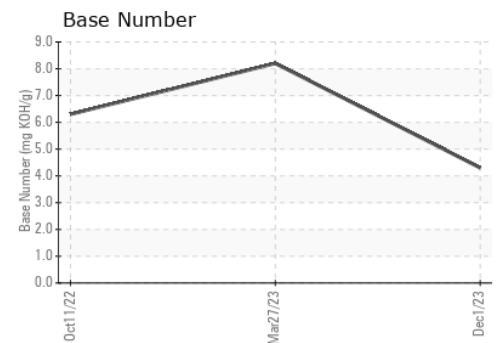
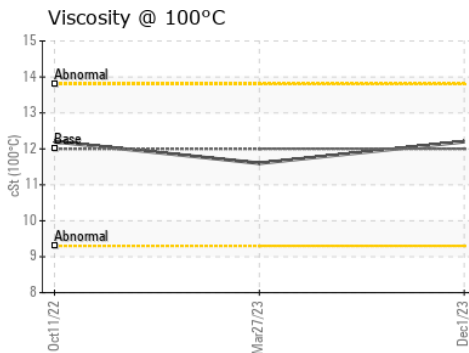
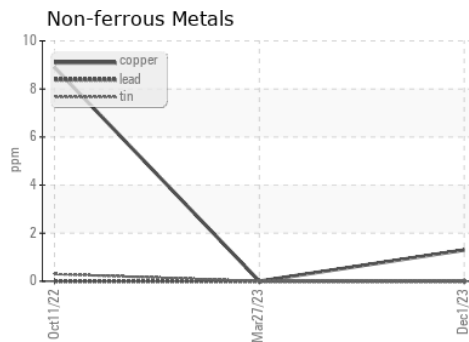
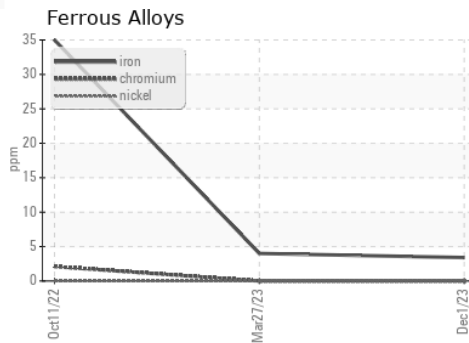
# OIL ANALYSIS REPORT



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>12.2</b>	11.6	12.2

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111777 **Received** : 07 Dec 2023  
**Lab Number** : **06027402** **Diagnosed** : 08 Dec 2023  
**Unique Number** : 10777193 **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)