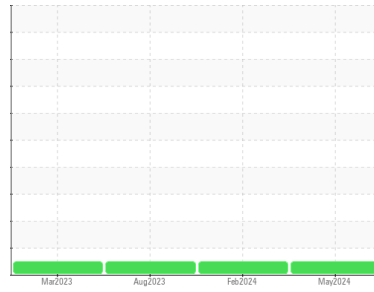


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(50960Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A63320**  
 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>PCA0120830</b>	PCA0103557	PCA0103549
Sample Date	Client Info			<b>13 May 2024</b>	25 Feb 2024	13 Aug 2023
Machine Age	mls	Client Info		<b>201030</b>	180452	106339
Oil Age	mls	Client Info		<b>60000</b>	60000	60000
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>13</b>	47	51
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	4	6
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>6</b>	30	105
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>150	<b>39</b>	48	90
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

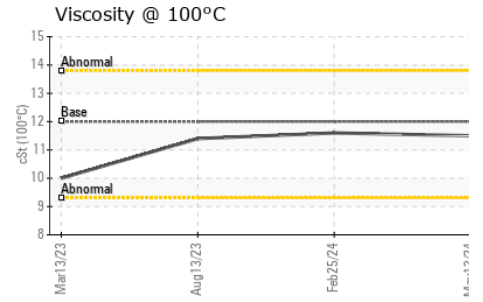
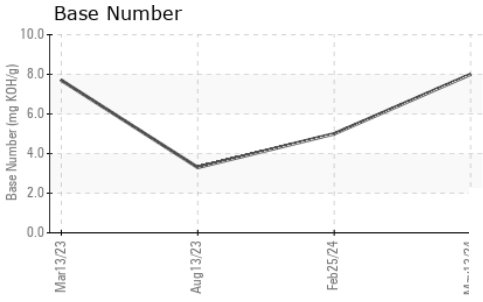
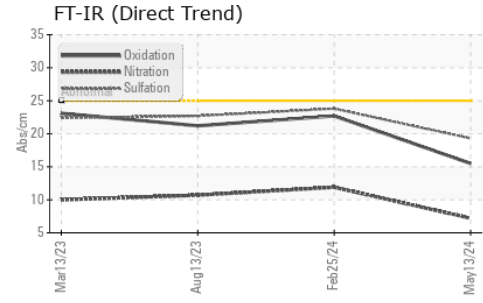
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	50	<b>63</b>	55	61
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	950	<b>1019</b>	933	969
Calcium	ppm	ASTM D5185m	1050	<b>1186</b>	1042	1228
Phosphorus	ppm	ASTM D5185m	995	<b>1077</b>	854	904
Zinc	ppm	ASTM D5185m	1180	<b>1264</b>	1091	1194
Sulfur	ppm	ASTM D5185m	2600	<b>3303</b>	2185	2309

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>4</b>	10	8
Sodium	ppm	ASTM D5185m		<b>2</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	58	201

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	1.1	0.8
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.2</b>	11.9	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.3</b>	23.8	22.7

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.5</b>	22.7	21.2
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.0</b>	5.0	3.3

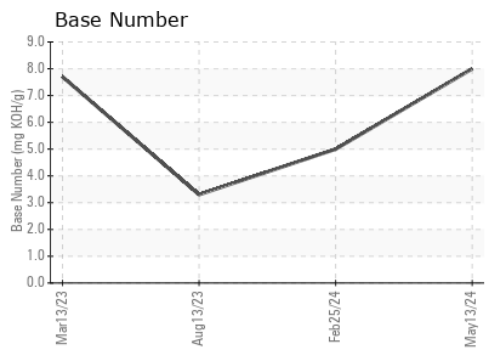
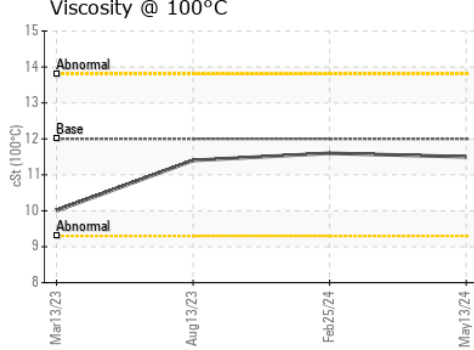
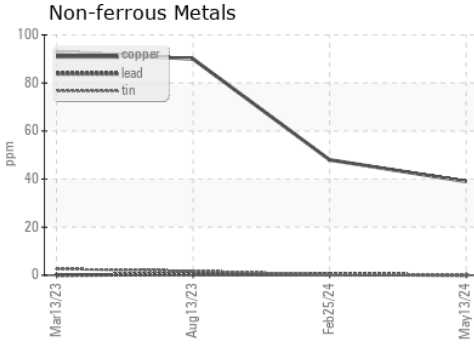
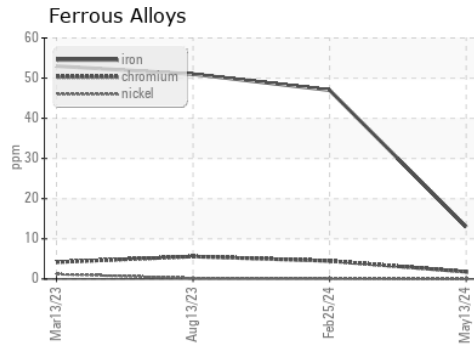
# OIL ANALYSIS REPORT



PARAMETER	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	11.5	11.6

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0120830      **Received** : 29 May 2024  
**Lab Number** : 06193506      **Tested** : 30 May 2024  
**Unique Number** : 11050258      **Diagnosed** : 30 May 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1369 - Berkeley-Waxahachie**  
 710 Ovilla Road  
 Waxahachie, TX  
 US 75167

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)

Contact: Robert Beal  
 rbeal@transervice.com  
 T: (972)923-9928  
 F: (972)923-9919