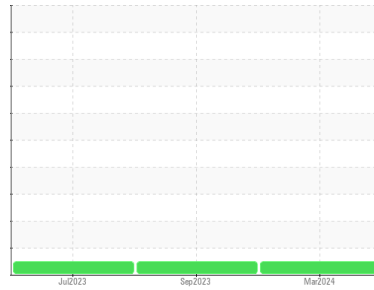


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(97172X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A62083**  
 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>PCA0120856</b>	PCA0103523	PCA0094995
Sample Date	Client Info			<b>25 Mar 2024</b>	18 Sep 2023	12 Jul 2023
Machine Age	mls	Client Info		<b>610162</b>	532100	485224
Oil Age	mls	Client Info		<b>60000</b>	60000	57776
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>64</b>	19	37
Chromium	ppm	ASTM D5185m	>5	<b>3</b>	1	2
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>22</b>	4	12
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>150	<b>8</b>	5	8
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

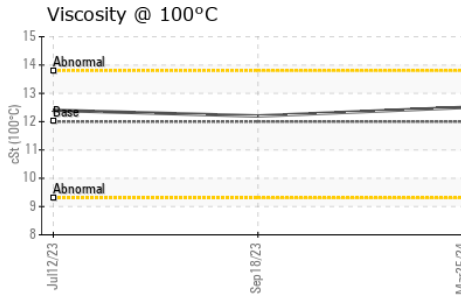
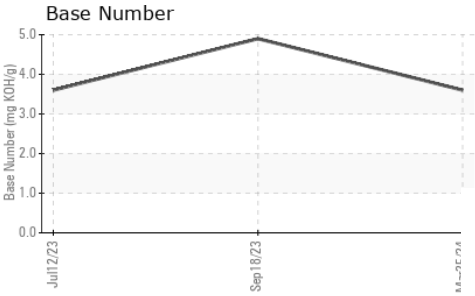
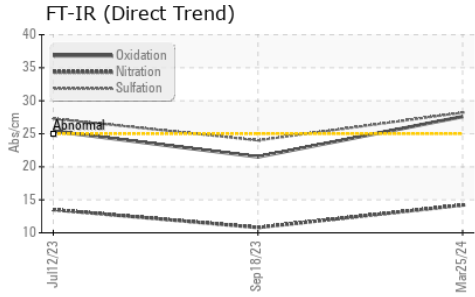
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>72</b>	64	64
Manganese	ppm	ASTM D5185m	0	<b>1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>1094</b>	1026	1051
Calcium	ppm	ASTM D5185m	1050	<b>1165</b>	1140	1190
Phosphorus	ppm	ASTM D5185m	995	<b>1082</b>	1037	1041
Zinc	ppm	ASTM D5185m	1180	<b>1377</b>	1319	1322
Sulfur	ppm	ASTM D5185m	2600	<b>2507</b>	2696	2893

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>11</b>	5	6
Sodium	ppm	ASTM D5185m		<b>3</b>	2	4
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	1	8

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>1.2</b>	1	1.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>14.2</b>	10.8	13.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>28.2</b>	24.0	27.3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>27.6</b>	21.5	25.4
Base Number (BN)	mg KOH/g	ASTM D2896		<b>3.6</b>	4.9	3.6

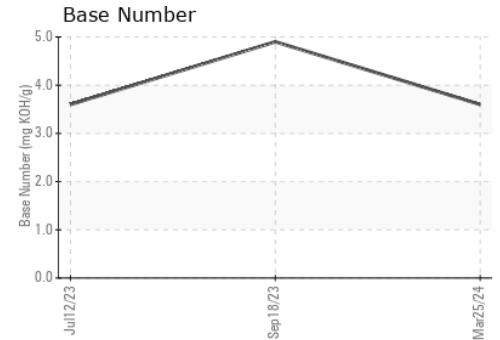
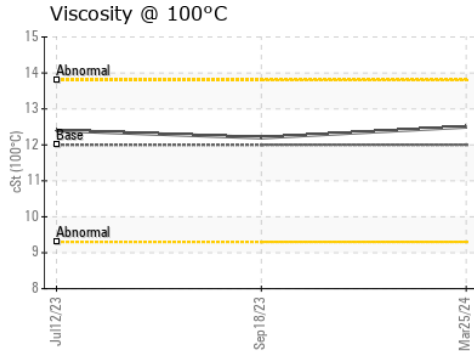
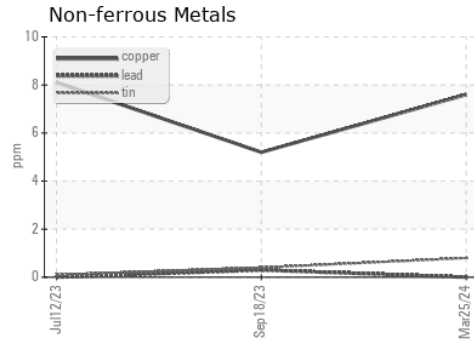
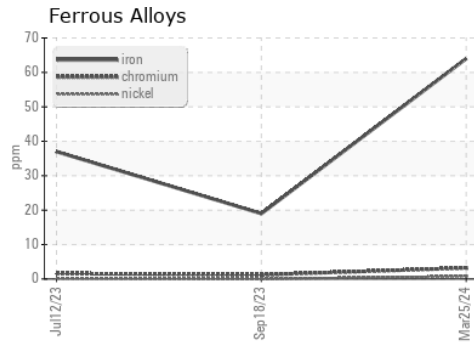
# OIL ANALYSIS REPORT



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	12.5	12.2

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0120856      **Received** : 08 Apr 2024  
**Lab Number** : 06140873      **Tested** : 08 Apr 2024  
**Unique Number** : 10965681      **Diagnosed** : 10 Apr 2024 - Sean Felton  
**Test Package** : FLEET

**Transervice - Shop 1369 - Berkeley-Waxahachie**  
 710 Ovilla Road  
 Waxahachie, TX  
 US 75167  
 Contact: Robert Beal  
 rbeal@transervice.com  
 T: (972)923-9928  
 F: (972)923-9919

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)