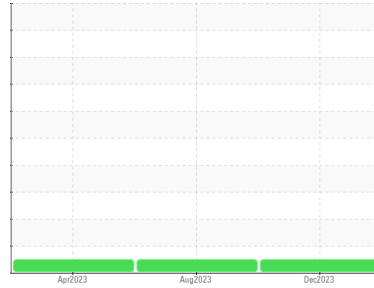


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(33514ME) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136D25695**  
 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>PCA0110529</b>	PCA0093536	PCA0096564
Sample Date	Client Info			<b>07 Dec 2023</b>	17 Aug 2023	18 Apr 2023
Machine Age	mls	Client Info		<b>85619</b>	80844	78424
Oil Age	mls	Client Info		<b>4775</b>	2420	78424
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	>110	<b>40</b>	25	12
Chromium	ppm	ASTM D5185m	>4	<b>4</b>	0	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>5</b>	15	7
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	2	0
Lead	ppm	ASTM D5185m	>45	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>85	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

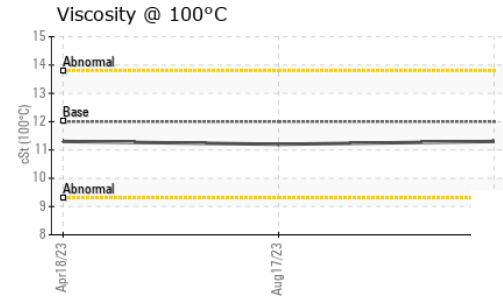
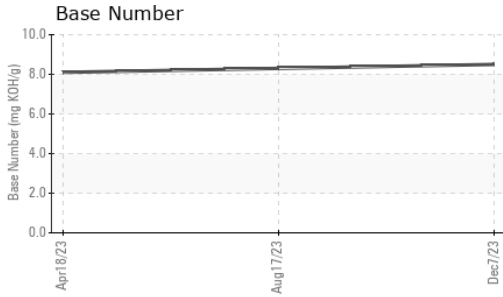
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>19</b>	28	19
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>52</b>	44	44
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>817</b>	774	680
Calcium	ppm	ASTM D5185m	1050	<b>1113</b>	1340	1228
Phosphorus	ppm	ASTM D5185m	995	<b>938</b>	960	937
Zinc	ppm	ASTM D5185m	1180	<b>1153</b>	1190	1091
Sulfur	ppm	ASTM D5185m	2600	<b>2958</b>	3743	3140

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	<b>7</b>	4	4
Sodium	ppm	ASTM D5185m		<b>3</b>	1	0
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	1	1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.9</b>	7.3	6.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.3</b>	17.4	17.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.1</b>	12.6	12.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.5</b>	8.3	8.1

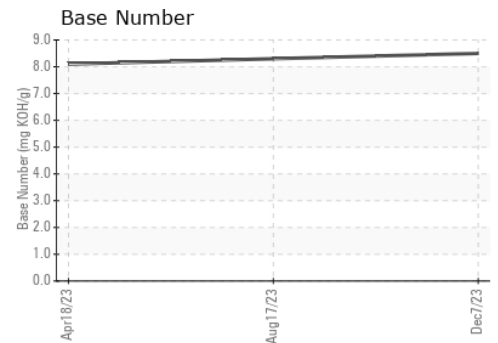
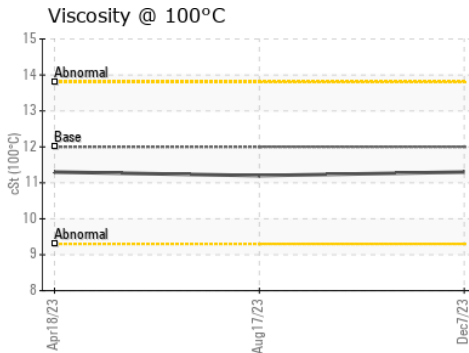
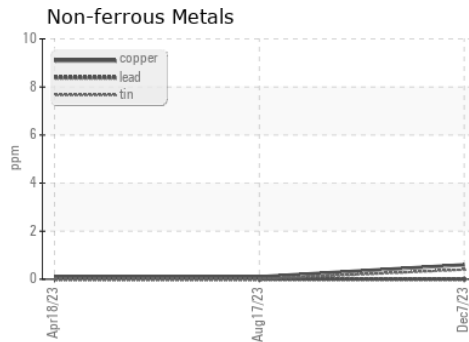
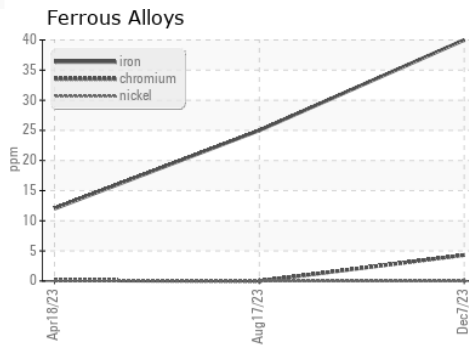
# OIL ANALYSIS REPORT



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>11.3</b>	11.2	11.3

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110529 **Received** : 20 Dec 2023  
**Lab Number** : **06040489** **Diagnosed** : 21 Dec 2023  
**Unique Number** : 10795718 **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: