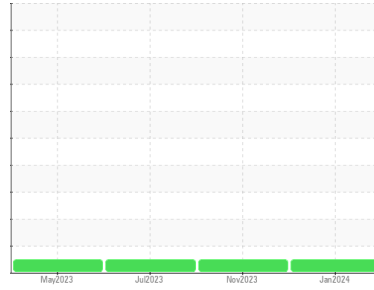


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(16090Z) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A61411**  
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>PCA0117849</b>	PCA0105427	PCA0093815	
Sample Date	Client Info	<b>30 Jan 2024</b>	08 Nov 2023	18 Jul 2023	
Machine Age	mls	Client Info	<b>338961</b>	313216	295666
Oil Age	mls	Client Info	<b>25000</b>	17550	50000
Oil Changed	Client Info	<b>Changed</b>	Not Changd	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>	6	13
Chromium	ppm ASTM D5185m >5	<b>2</b>	<1	<1
Nickel	ppm ASTM D5185m >2	<b>&lt;1</b>	<1	0
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm ASTM D5185m >3	<b>&lt;1</b>	0	0
Aluminum	ppm ASTM D5185m >30	<b>4</b>	1	4
Lead	ppm ASTM D5185m >30	<b>&lt;1</b>	0	0
Copper	ppm ASTM D5185m >150	<b>6</b>	4	4
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>3</b>	5	<1
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>57</b>	54	62
Manganese	ppm ASTM D5185m 0	<b>&lt;1</b>	0	<1
Magnesium	ppm ASTM D5185m 950	<b>845</b>	777	973
Calcium	ppm ASTM D5185m 1050	<b>1209</b>	1212	1247
Phosphorus	ppm ASTM D5185m 995	<b>918</b>	969	1081
Zinc	ppm ASTM D5185m 1180	<b>1231</b>	1151	1326
Sulfur	ppm ASTM D5185m 2600	<b>3090</b>	3144	3774

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>7</b>	4	6
Sodium	ppm ASTM D5185m	<b>0</b>	0	2
Potassium	ppm ASTM D5185m >20	<b>5</b>	3	3

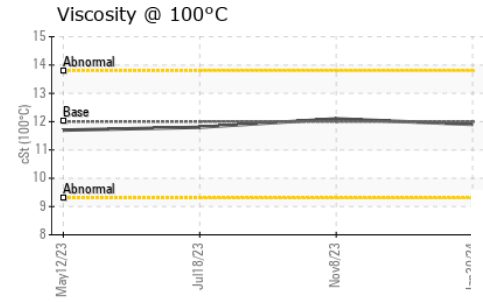
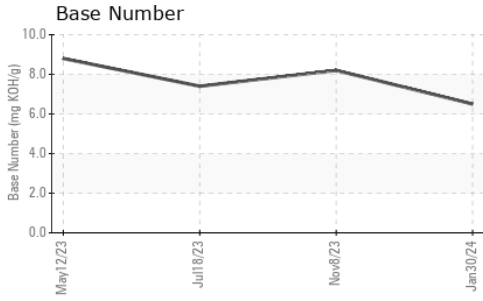
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>0.5</b>	0.3	0.4
Nitration	Abs/cm *ASTM D7624 >20	<b>8.6</b>	6.9	7.8
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>21.2</b>	18.8	19.1

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>16.8</b>	14.1	15.1
Base Number (BN)	mg KOH/g ASTM D2896	<b>6.5</b>	8.2	7.4

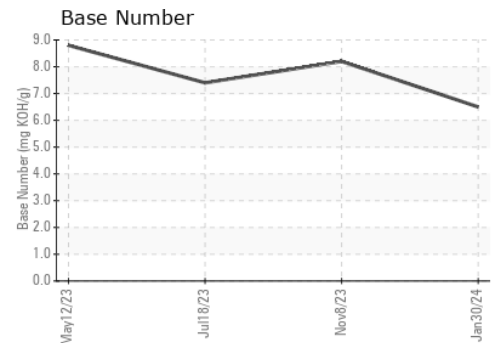
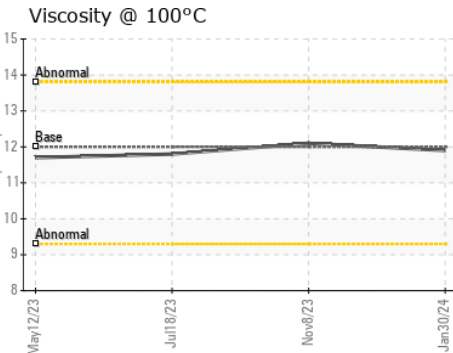
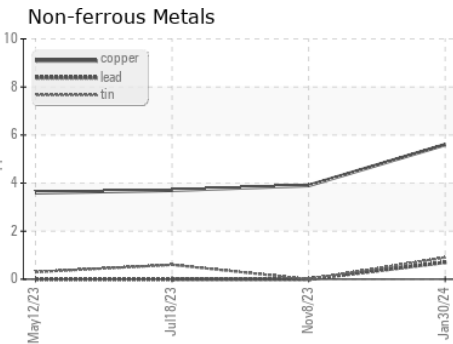
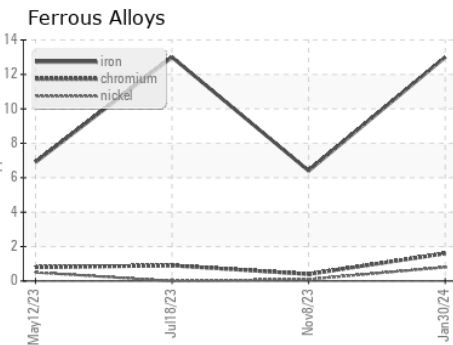
# OIL ANALYSIS REPORT



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	11.9	12.1

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117849  
**Lab Number** : 06092247  
**Unique Number** : 10885100  
**Test Package** : FLEET  
**Received** : 16 Feb 2024  
**Tested** : 19 Feb 2024  
**Diagnosed** : 19 Feb 2024 - Wes Davis

**Transervice - Shop 1366 - Berkeley-Woodland**  
 2370 East Main Street  
 Woodland, CA  
 US 95776  
 Contact: Gary Mann  
 gmanna@transervice.com  
 T: (530)666-7771  
 F: (530)406-7971

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)