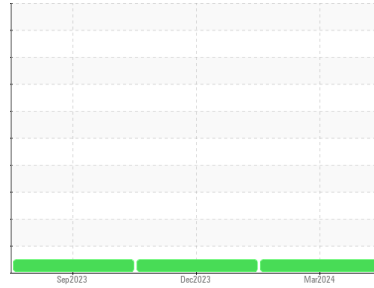


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**Walgreens - Tractor**  
 Machine for  
**[Walgreens - Tractor] 136A63366**  
 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>PCA0117915</b>	PCA0105464	PCA0105402
Sample Date	Client Info		<b>04 Mar 2024</b>	14 Dec 2023	05 Sep 2023
Machine Age	mls	Client Info	<b>96386</b>	84594	63221
Oil Age	mls	Client Info	<b>12282</b>	50000	18000
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

**CONTAMINATION**

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.0	<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 >100	<b>12</b>	31	21
Chromium	ppm	ASTM D5185m >20	<b>1</b>	3	2
Nickel	ppm	ASTM D5185m >4	<b>2</b>	4	4
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m >20	<b>10</b>	16	13
Lead	ppm	ASTM D5185m >40	<b>&lt;1</b>	3	1
Copper	ppm	ASTM D5185m >330	<b>2</b>	7	7
Tin	ppm	ASTM D5185m >15	<b>1</b>	3	2
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>6</b>	5	11
Barium	ppm	ASTM D5185m 0	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m 50	<b>58</b>	60	61
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m 950	<b>925</b>	923	903
Calcium	ppm	ASTM D5185m 1050	<b>1052</b>	1130	1161
Phosphorus	ppm	ASTM D5185m 995	<b>1020</b>	1040	1014
Zinc	ppm	ASTM D5185m 1180	<b>1256</b>	1282	1289
Sulfur	ppm	ASTM D5185m 2600	<b>3501</b>	2822	3632

**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>5</b>	12	11
Sodium	ppm	ASTM D5185m	<b>&lt;1</b>	2	4
Potassium	ppm	ASTM D5185m >20	<b>21</b>	34	27

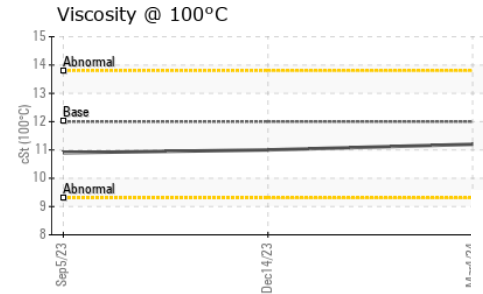
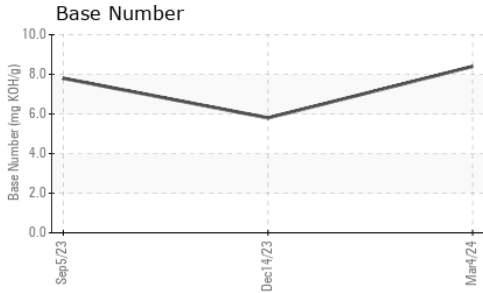
**INFRA-RED**

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.2</b>	0.4	0.2
Nitration	Abs/cm	*ASTM D7624 >20	<b>6.6</b>	8.7	7.2
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>18.7</b>	21.4	19.0

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>14.6</b>	18.7	15.3
Base Number (BN)	mg KOH/g	ASTM D2896	<b>8.4</b>	5.8	7.8

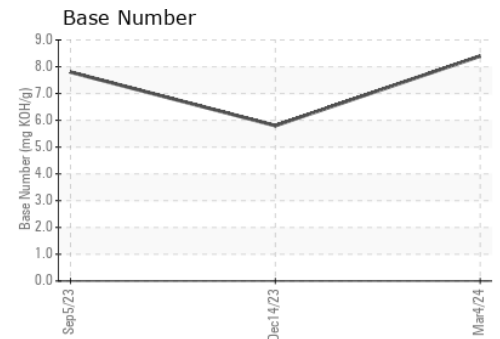
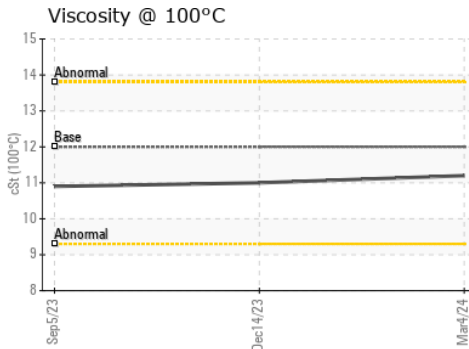
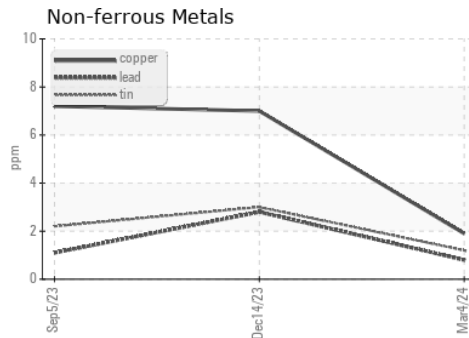
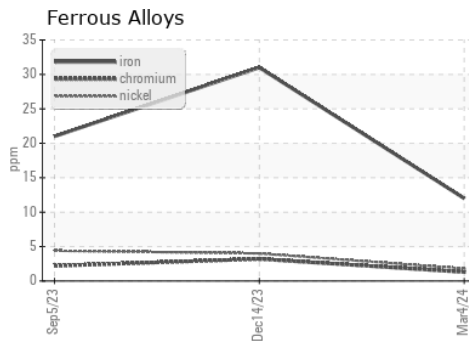
# OIL ANALYSIS REPORT



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	11.2	11.0

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117915  
**Lab Number** : 06124245  
**Unique Number** : 10938396  
**Test Package** : FLEET

**Received** : 20 Mar 2024  
**Tested** : 21 Mar 2024  
**Diagnosed** : 21 Mar 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)