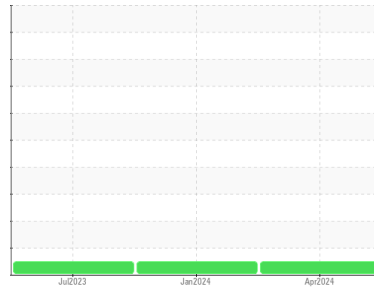


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(16044Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61252**  
 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>PCA0117895</b>	PCA0117901	PCA0093841
Sample Date	Client Info		<b>04 Apr 2024</b>	15 Jan 2024	12 Jul 2023
Machine Age	mls	Client Info	<b>433817</b>	415264	366906
Oil Age	mls	Client Info	<b>25000</b>	24000	25000
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
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>21</b>	12	22
Chromium	ppm	ASTM D5185m >5	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m >2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >30	<b>17</b>	9	12
Lead	ppm	ASTM D5185m >30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >150	<b>3</b>	3	4
Tin	ppm	ASTM D5185m >5	<b>&lt;1</b>	<1	<1
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>5</b>	6	<1
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 50	<b>64</b>	63	68
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 950	<b>1024</b>	962	1057
Calcium	ppm	ASTM D5185m 1050	<b>1120</b>	1019	1194
Phosphorus	ppm	ASTM D5185m 995	<b>1122</b>	909	1085
Zinc	ppm	ASTM D5185m 1180	<b>1334</b>	1239	1410
Sulfur	ppm	ASTM D5185m 2600	<b>3346</b>	2892	3416

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>6</b>	5	10
Sodium	ppm	ASTM D5185m	<b>1</b>	0	2
Potassium	ppm	ASTM D5185m >20	<b>28</b>	17	2

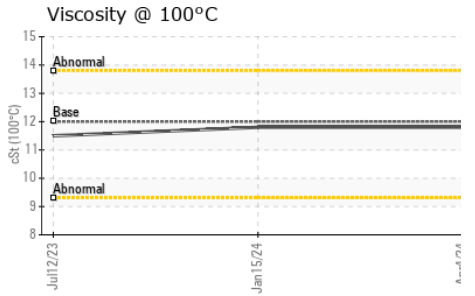
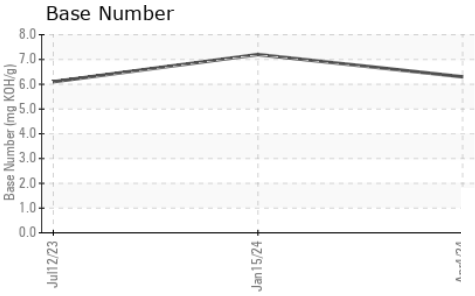
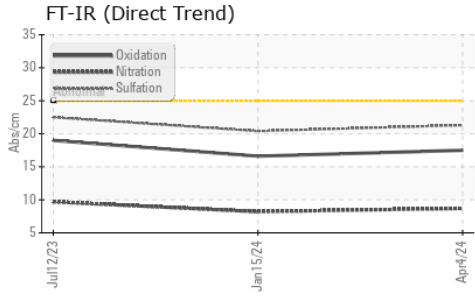
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.5</b>	0.5	0.6
Nitration	Abs/cm	*ASTM D7624 >20	<b>8.7</b>	8.2	9.7
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>21.3</b>	20.4	22.5

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>17.5</b>	16.6	19.0
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.3</b>	7.2	6.1

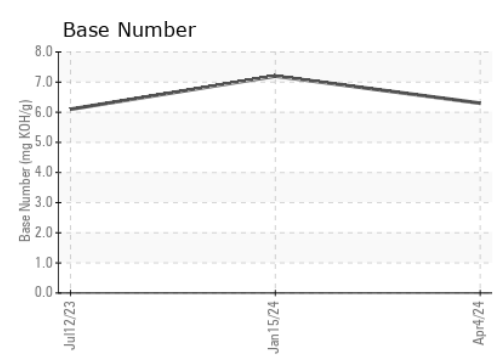
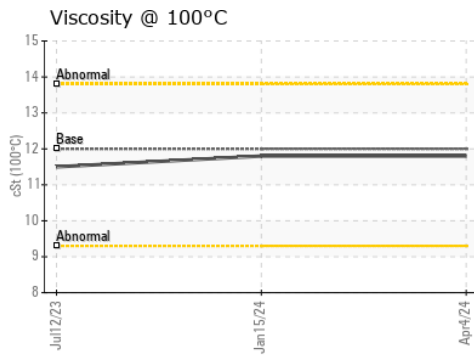
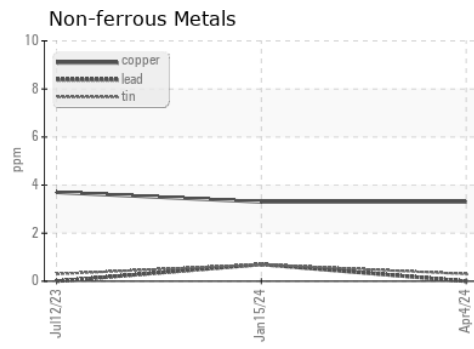
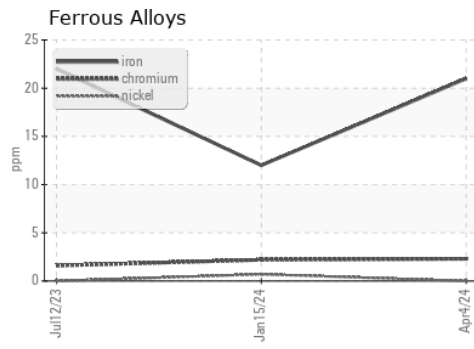
# OIL ANALYSIS REPORT



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	<b>11.8</b>	11.8	11.5

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117895      **Received** : 16 Apr 2024  
**Lab Number** : **06149961**      **Tested** : 17 Apr 2024  
**Unique Number** : 10980039      **Diagnosed** : 17 Apr 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1366 - Berkeley-Woodland**  
 2370 East Main Street  
 Woodland, CA  
 US 95776  
 Contact: Gary Mann  
 gmann@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)