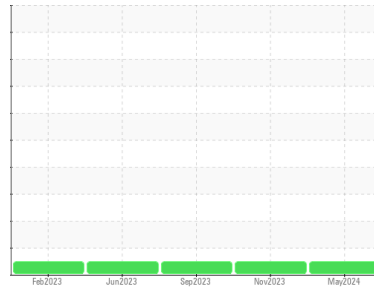


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(51478Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A63343**  
 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>PCA0120821</b>	PCA0103507	PCA0103536
Sample Date	Client Info	<b>21 May 2024</b>	22 Nov 2023	06 Sep 2023
Machine Age	mls Client Info	<b>214238</b>	148264	121527
Oil Age	mls Client Info	<b>60000</b>	60000	30000
Oil Changed	Client Info	<b>Changed</b>	Changed	Not 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>43</b>	48	24
Chromium	ppm ASTM D5185m >5	<b>6</b>	5	2
Nickel	ppm ASTM D5185m >2	<b>&lt;1</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m >3	<b>&lt;1</b>	<1	0
Aluminum	ppm ASTM D5185m >30	<b>11</b>	17	7
Lead	ppm ASTM D5185m >30	<b>0</b>	0	0
Copper	ppm ASTM D5185m >150	<b>13</b>	26	20
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	<1	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>&lt;1</b>	<1	0
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>62</b>	65	63
Manganese	ppm ASTM D5185m 0	<b>1</b>	2	<1
Magnesium	ppm ASTM D5185m 950	<b>976</b>	1054	1053
Calcium	ppm ASTM D5185m 1050	<b>1062</b>	1154	1212
Phosphorus	ppm ASTM D5185m 995	<b>992</b>	1108	1066
Zinc	ppm ASTM D5185m 1180	<b>1275</b>	1416	1403
Sulfur	ppm ASTM D5185m 2600	<b>2697</b>	2482	3161

### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>12</b>	11	5
Sodium	ppm ASTM D5185m	<b>3</b>	4	4
Potassium	ppm ASTM D5185m >20	<b>17</b>	26	18

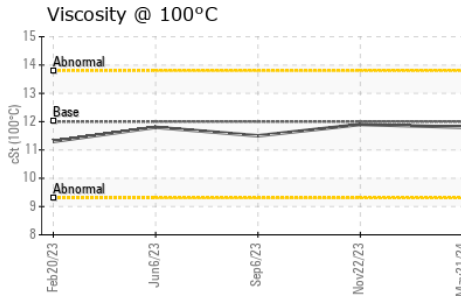
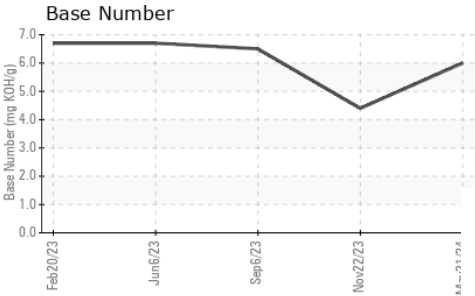
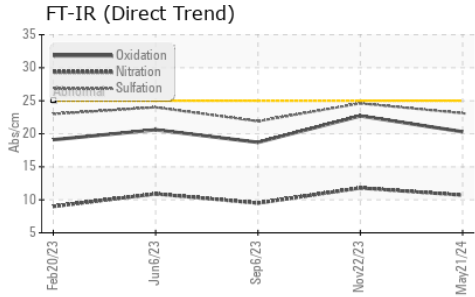
### INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1</b>	1	0.7
Nitration	Abs/cm *ASTM D7624 >20	<b>10.7</b>	11.8	9.5
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>23.1</b>	24.6	21.9

### FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>20.3</b>	22.7	18.7
Base Number (BN)	mg KOH/g ASTM D2896	<b>6.0</b>	4.4	6.5

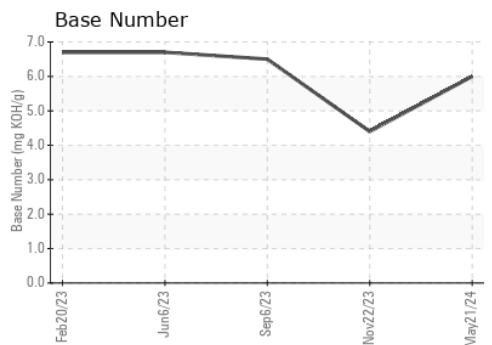
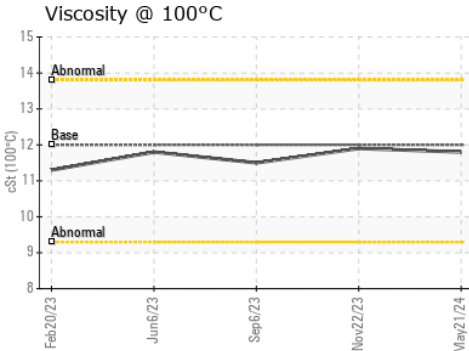
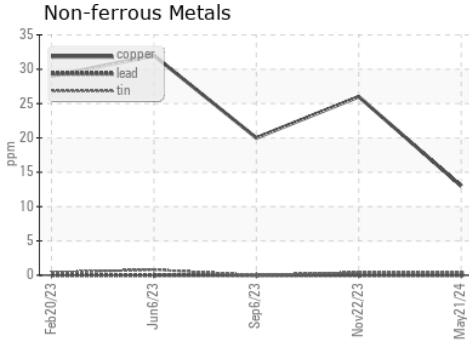
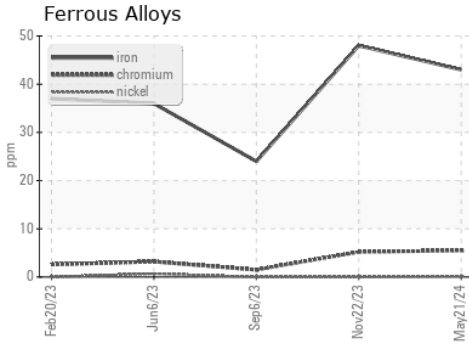
# OIL ANALYSIS REPORT



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	11.8	11.9

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0120821      **Received** : 03 Jun 2024  
**Lab Number** : 06198637      **Tested** : 04 Jun 2024  
**Unique Number** : 11060760      **Diagnosed** : 05 Jun 2024 - Don Baldrige  
**Test Package** : FLEET

**Transervice - Shop 1375 - Berkeley-Houston**  
 2960 Farrell Road  
 Houston, TX  
 US 77073  
 Contact: Adam Mendoza  
 amendoza@transervice.com  
 T: (281)821-2801  
 F: (281)821-2804

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)