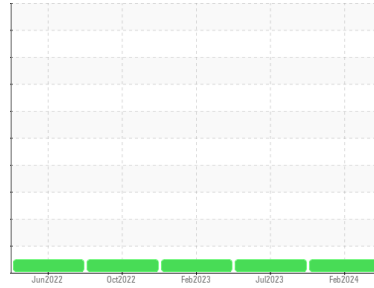


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**(15598Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A61274**  
 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>PCA0116447</b>	PCA0101030	PCA0090870
Sample Date	Client Info	<b>07 Feb 2024</b>	13 Jul 2023	01 Feb 2023
Machine Age	mls Client Info	<b>529362</b>	464107	402083
Oil Age	mls Client Info	<b>65255</b>	62024	45950
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 >80	<b>41</b>	33	24
Chromium	ppm ASTM D5185m >5	<b>3</b>	2	2
Nickel	ppm ASTM D5185m >2	<b>&lt;1</b>	0	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>17</b>	12	11
Lead	ppm ASTM D5185m >30	<b>&lt;1</b>	0	0
Copper	ppm ASTM D5185m >150	<b>8</b>	5	4
Tin	ppm ASTM D5185m >5	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 2	<b>11</b>	<1	5
Barium	ppm ASTM D5185m 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m 50	<b>69</b>	74	62
Manganese	ppm ASTM D5185m 0	<b>1</b>	<1	<1
Magnesium	ppm ASTM D5185m 950	<b>830</b>	1060	823
Calcium	ppm ASTM D5185m 1050	<b>1137</b>	1281	1146
Phosphorus	ppm ASTM D5185m 995	<b>965</b>	1098	933
Zinc	ppm ASTM D5185m 1180	<b>1121</b>	1323	1140
Sulfur	ppm ASTM D5185m 2600	<b>2969</b>	3149	2471

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>9</b>	6	6
Sodium	ppm ASTM D5185m	<b>0</b>	4	6
Potassium	ppm ASTM D5185m >20	<b>11</b>	6	5

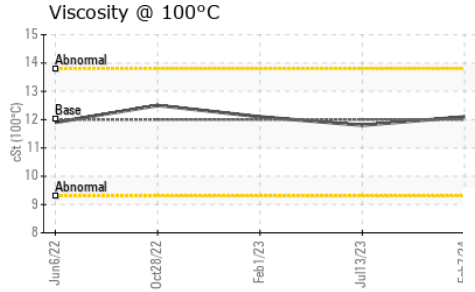
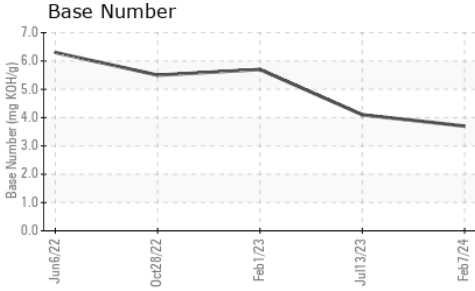
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844 >3	<b>1.6</b>	1.3	1
Nitration	Abs/cm *ASTM D7624 >20	<b>13.2</b>	12.7	10.8
Sulfation	Abs/.1mm *ASTM D7415 >30	<b>29.0</b>	26.3	23.5

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	<b>25.7</b>	22.8	20.2
Base Number (BN)	mg KOH/g ASTM D2896	<b>3.7</b>	4.1	5.7

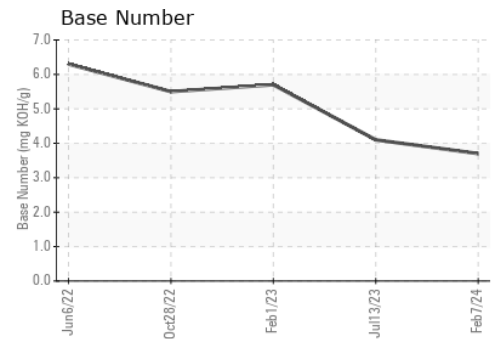
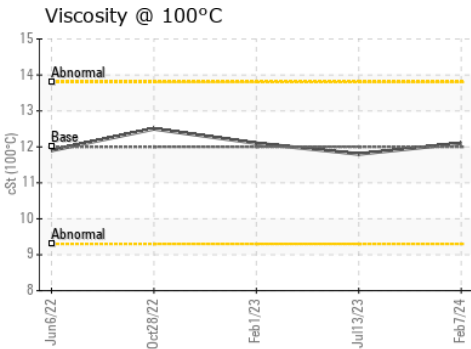
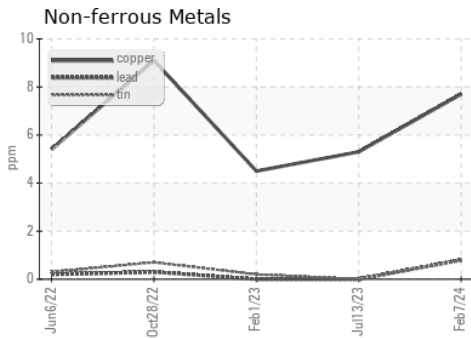
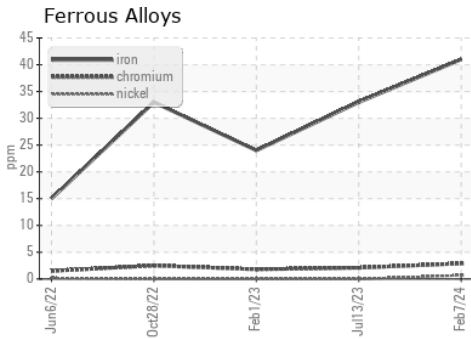
# OIL ANALYSIS REPORT



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	12.1	11.8

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116447  
**Lab Number** : 06090807  
**Unique Number** : 10883660  
**Test Package** : FLEET  
**Received** : 15 Feb 2024  
**Tested** : 19 Feb 2024  
**Diagnosed** : 19 Feb 2024 - Don Baldrige

**Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass**  
 101 Alliance Parkway  
 Willamston, SC  
 US 29697  
 Contact: Sonny Boucher  
 sboucher@transervice.com  
 T: (864)226-2304  
 F: (864)226-2329

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)