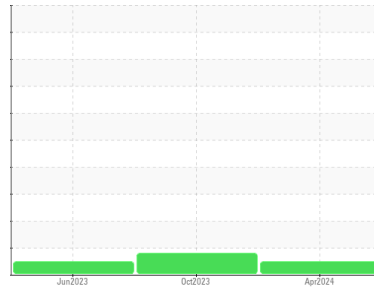


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(89820X) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A68032**  
 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>PCA0123044</b>	PCA0093468	PCA0093545
Sample Date	Client Info		<b>02 Apr 2024</b>	24 Oct 2023	20 Jun 2023
Machine Age	mls	Client Info	<b>170219</b>	162848	151911
Oil Age	mls	Client Info	<b>170219</b>	10937	151911
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	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>40</b>	43	24
Chromium	ppm	ASTM D5185m >5	<b>1</b>	2	<1
Nickel	ppm	ASTM D5185m >2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>2</b>	12	<1
Silver	ppm	ASTM D5185m >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>8</b>	4	3
Lead	ppm	ASTM D5185m >30	<b>0</b>	2	<1
Copper	ppm	ASTM D5185m >150	<b>34</b>	▲ 170	8
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>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>10</b>	13	81
Barium	ppm	ASTM D5185m 0	<b>0</b>	1	11
Molybdenum	ppm	ASTM D5185m 50	<b>55</b>	49	43
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m 950	<b>901</b>	792	269
Calcium	ppm	ASTM D5185m 1050	<b>1179</b>	1274	2116
Phosphorus	ppm	ASTM D5185m 995	<b>963</b>	891	1060
Zinc	ppm	ASTM D5185m 1180	<b>1221</b>	1196	1250
Sulfur	ppm	ASTM D5185m 2600	<b>3438</b>	2955	4019

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>5</b>	9	16
Sodium	ppm	ASTM D5185m	<b>3</b>	7	13
Potassium	ppm	ASTM D5185m >20	<b>3</b>	7	14

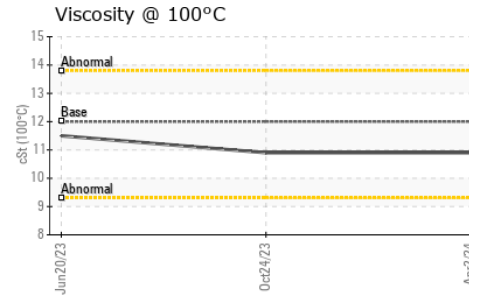
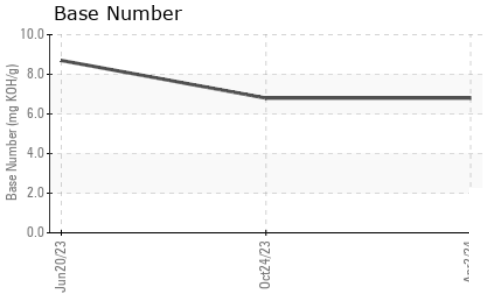
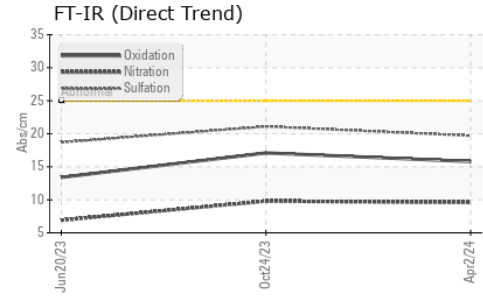
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.6</b>	0.7	0.3
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.6</b>	9.8	6.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>19.7</b>	21.1	18.7

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>15.8</b>	17.1	13.4
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.8</b>	6.8	8.7

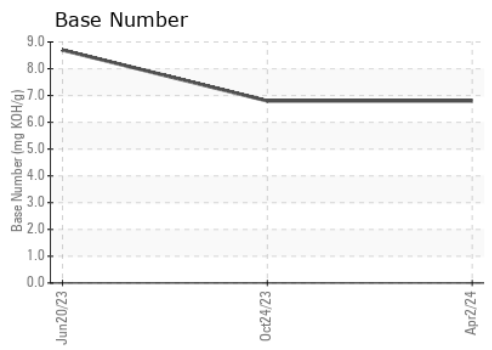
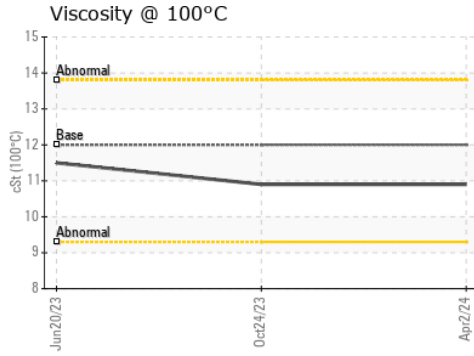
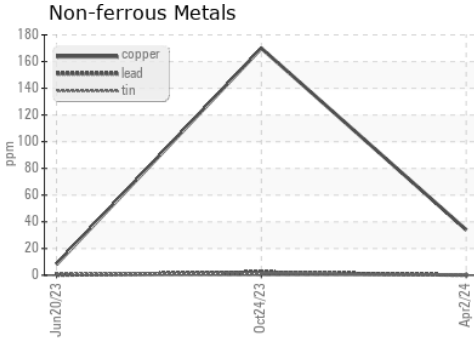
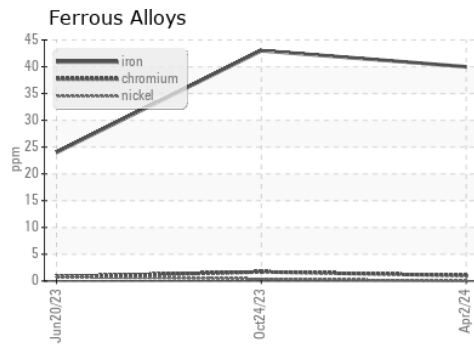
# OIL ANALYSIS REPORT



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	<b>10.9</b>	10.9	11.5

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0123044  
**Lab Number** : **06141985**  
**Unique Number** : 10966793  
**Test Package** : FLEET

**Transervice - Shop 1376 - Berkeley-Linden**  
 3425 Tremley Point Road  
 Linden, NJ  
 US 07036

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)

Contact: Shop 1376 Oil Analysis  
shop1376@transervice.com

T:  
F: