

# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Area  
**(74294Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A624349**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (11 GAL)**

**DIAGNOSIS**
**Recommendation**

Resample at the next service interval to monitor.

**Wear**

Metal levels are typical for a new component breaking in.

**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 acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0094025</b>	---	---
Sample Date	Client Info			<b>13 Jun 2024</b>	---	---
Machine Age	mls	Client Info		<b>27646</b>	---	---
Oil Age	mls	Client Info		<b>27646</b>	---	---
Oil Changed	Client Info			<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<b>&lt;1.0</b>	---	---
Water	WC Method	>0.2		<b>NEG</b>	---	---
Glycol	WC Method			<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>43</b>	---	---
Chromium	ppm	ASTM D5185m	>5	<b>3</b>	---	---
Nickel	ppm	ASTM D5185m	>2	<b>2</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m	>30	<b>14</b>	---	---
Lead	ppm	ASTM D5185m	>30	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>150	<b>77</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>12</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---

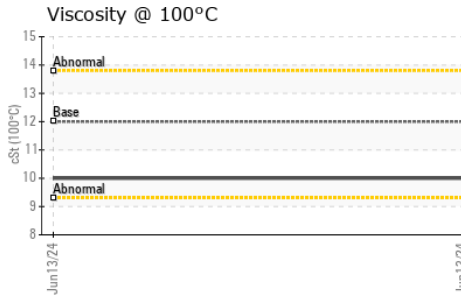
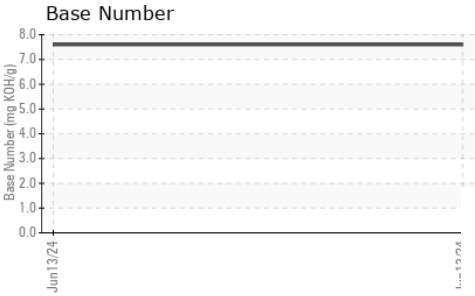
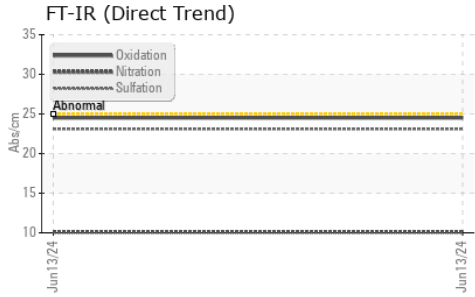
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>35</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	50	<b>41</b>	---	---
Manganese	ppm	ASTM D5185m	0	<b>4</b>	---	---
Magnesium	ppm	ASTM D5185m	950	<b>547</b>	---	---
Calcium	ppm	ASTM D5185m	1050	<b>1823</b>	---	---
Phosphorus	ppm	ASTM D5185m	995	<b>792</b>	---	---
Zinc	ppm	ASTM D5185m	1180	<b>904</b>	---	---
Sulfur	ppm	ASTM D5185m	2600	<b>2312</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>8</b>	---	---
Sodium	ppm	ASTM D5185m		<b>6</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>25</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.1</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.1</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>24.5</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.6</b>	---	---

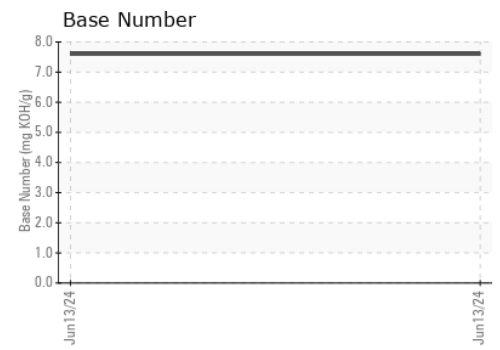
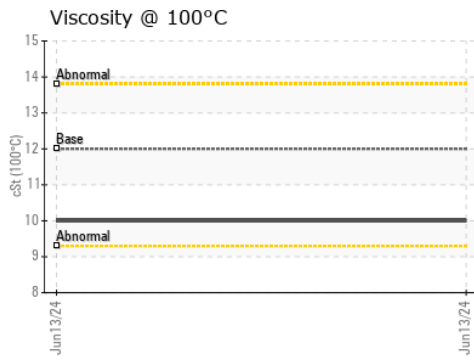
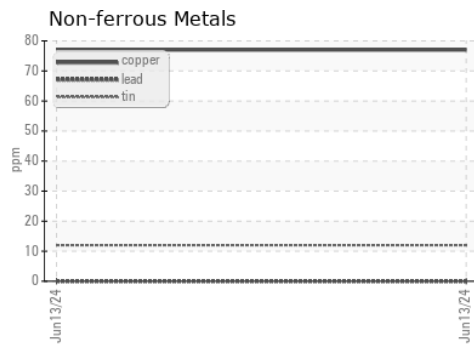
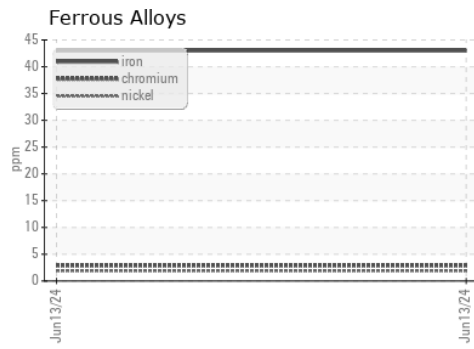
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	10.0	---	---

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0094025      **Received** : 18 Jun 2024  
**Lab Number** : **06214132**      **Tested** : 20 Jun 2024  
**Unique Number** : 11086996      **Diagnosed** : 20 Jun 2024 - Sean Felton  
**Test Package** : FLEET

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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)