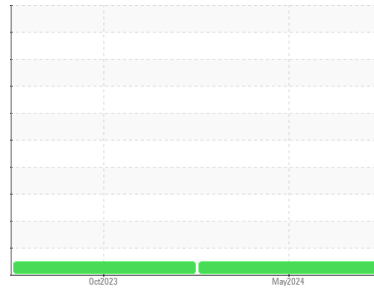


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(50941Z) Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A63260**  
 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>PCA0105706</b>	PCA0105690	---
Sample Date	Client Info			<b>03 May 2024</b>	26 Oct 2023	---
Machine Age	mls	Client Info		<b>114895</b>	60969	---
Oil Age	mls	Client Info		<b>0</b>	50000	---
Oil Changed	Client Info			<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	<b>6</b>	31	---
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	4	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	6	---
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>14</b>	196	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	<b>5</b>	6	---
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>57</b>	61	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	950	<b>901</b>	979	---
Calcium	ppm	ASTM D5185m	1050	<b>1112</b>	1070	---
Phosphorus	ppm	ASTM D5185m	995	<b>1075</b>	1009	---
Zinc	ppm	ASTM D5185m	1180	<b>1208</b>	1260	---
Sulfur	ppm	ASTM D5185m	2600	<b>3460</b>	2435	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>3</b>	4	---
Sodium	ppm	ASTM D5185m		<b>1</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	12	---

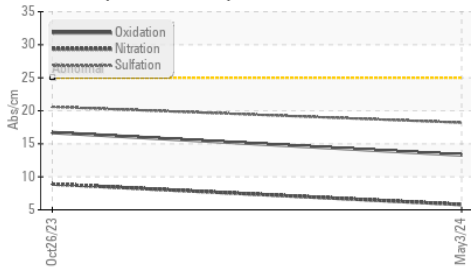
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.8</b>	8.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>18.2</b>	20.6	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.3</b>	16.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.7</b>	7.2	---

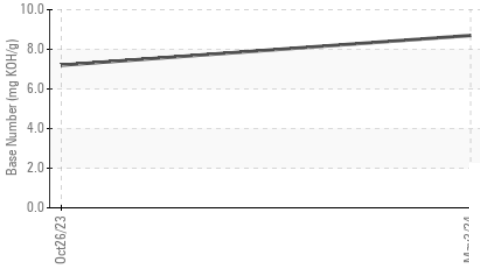


# OIL ANALYSIS REPORT

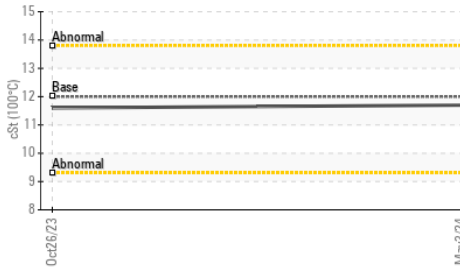
FT-IR (Direct Trend)



Base Number



Viscosity @ 100°C

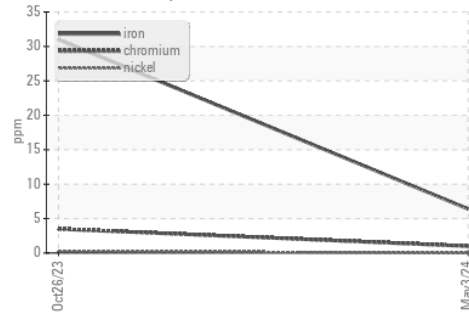


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

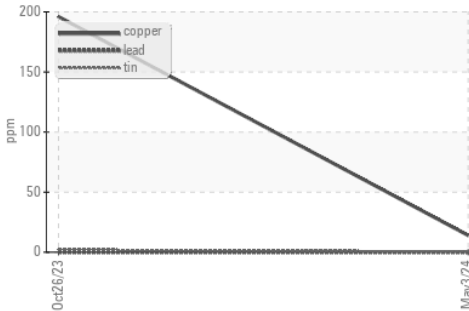
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.7	11.6

## GRAPHS

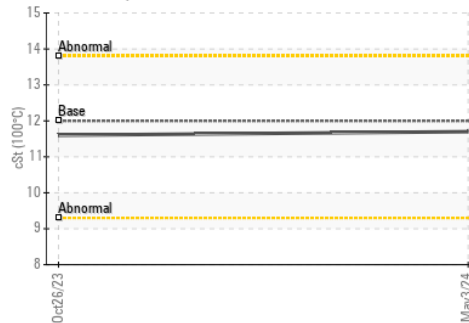
Ferrous Alloys



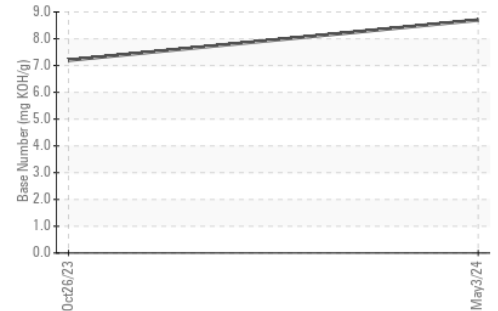
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105706  
**Lab Number** : 06178456  
**Unique Number** : 11029782  
**Test Package** : FLEET

**Received** : 14 May 2024  
**Tested** : 15 May 2024  
**Diagnosed** : 15 May 2024 - Wes Davis

**Transervice - Shop 1374 - Berkeley-Hartford**  
 80 International Drive  
 Windsor, CT  
 US 06095

Contact: Paul Santanella  
 psantanella@transervice.com

T: (860)687-1037

F: (860)687-1476

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)