



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**(90261X) Walgreens - Tractor**

Machine Id

**[Walgreens - Tractor] 136A66098**

Component

**Diesel Engine**

Fluid

**PETRO CANADA DURON SHP 10W30 (11 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0122394</b>	PCA0103693	---
Sample Date		Client Info		<b>23 May 2024</b>	21 Sep 2023	---
Machine Age	mls	Client Info		<b>710648</b>	710589	---
Oil Age	mls	Client Info		<b>675225</b>	35829	---
Filter Age	mls	Client Info		<b>675225</b>	35829	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	<b>35</b>	34	---
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>7</b>	4	---
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>150	<b>8</b>	7	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

There is no indication of any contamination in the oil.

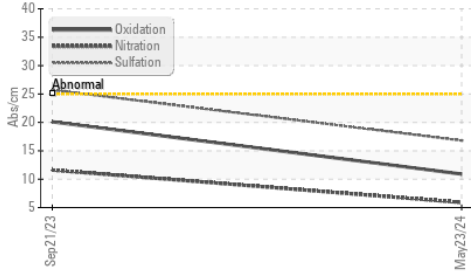
Silicon	ppm	ASTM D5185m	>20	<b>7</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	4	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	1.7	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.9</b>	11.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>16.8</b>	25.7	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

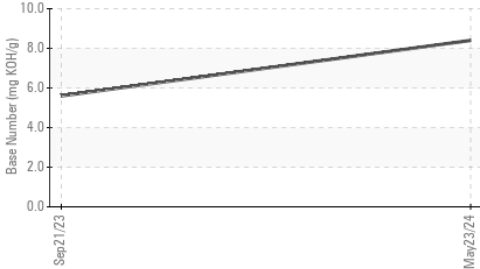
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>10</b>	5	---
Boron	ppm	ASTM D5185m	2	<b>19</b>	12	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	50	<b>33</b>	58	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m	950	<b>558</b>	913	---
Calcium	ppm	ASTM D5185m	1050	<b>1501</b>	1241	---
Phosphorus	ppm	ASTM D5185m	995	<b>996</b>	1031	---
Zinc	ppm	ASTM D5185m	1180	<b>1105</b>	1296	---
Sulfur	ppm	ASTM D5185m	2600	<b>4384</b>	3075	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>10.9</b>	20.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.4</b>	5.6	---
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	13.1	---

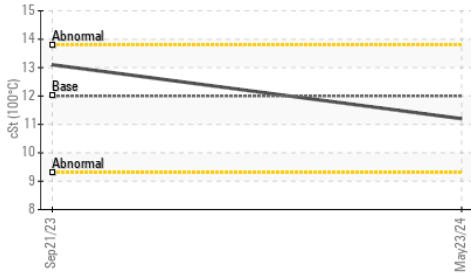
**FT-IR (Direct Trend)**



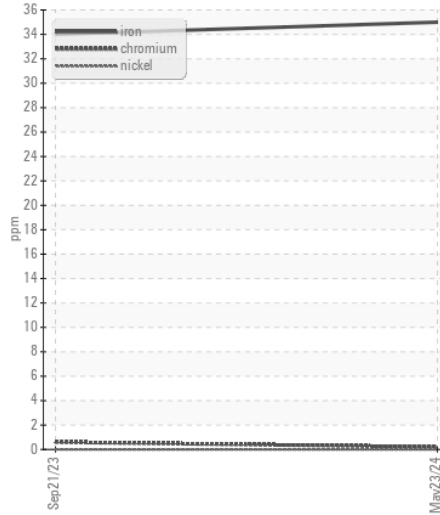
**Base Number**



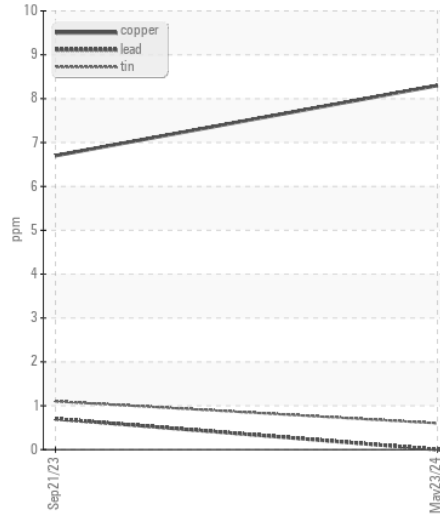
**Viscosity @ 100°C**



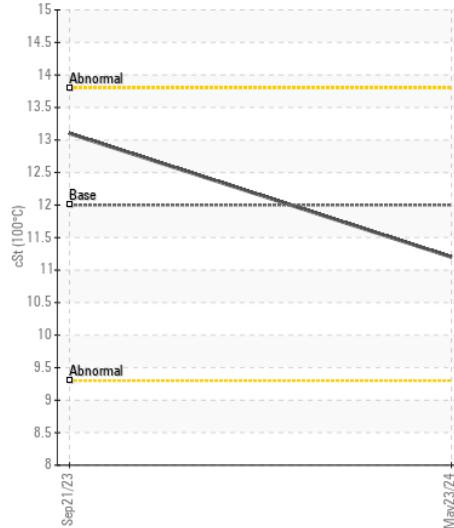
**Ferrous Alloys**



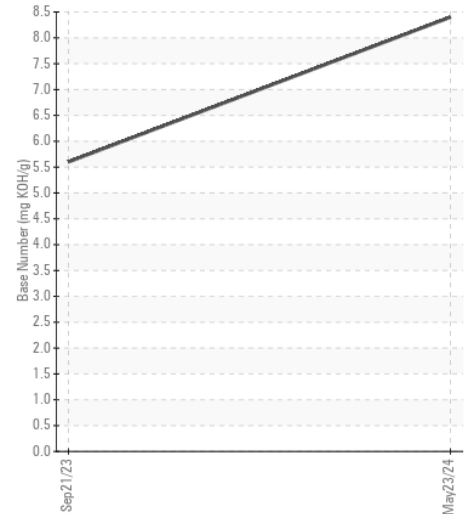
**Non-ferrous Metals**



**Viscosity @ 100°C**



**Base Number**



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122394  
**Lab Number** : 06214123  
**Unique Number** : 11086987  
**Test Package** : FLEET

**Received** : 18 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Wes Davis

**Transervice - Shop 1365 - Berkeley-Nazareth**  
 6813 Chrisphalt Drive  
 Bath Borough, PA  
 US 18014  
 Contact: Stephen Mackes  
 smackes@transervice.com  
 T: (610)837-8103  
 F: (610)837-8105

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)