



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

Area  
**Walgreens - Tractor**  
 Machine Id  
**[Walgreens - Tractor] 136A624128**  
 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>PCA0103645</b>	PCA0103703	---
Sample Date		Client Info		<b>05 Feb 2024</b>	11 Oct 2023	---
Machine Age	mls	Client Info		<b>59127</b>	27294	---
Oil Age	mls	Client Info		<b>29007</b>	27294	---
Filter Age	mls	Client Info		<b>29007</b>	27294	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	<b>14</b>	41	---
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>3</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>20	<b>10</b>	32	---
Lead	ppm	ASTM D5185m	>40	<b>2</b>	4	---
Copper	ppm	ASTM D5185m	>330	<b>11</b>	19	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	4	---
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**

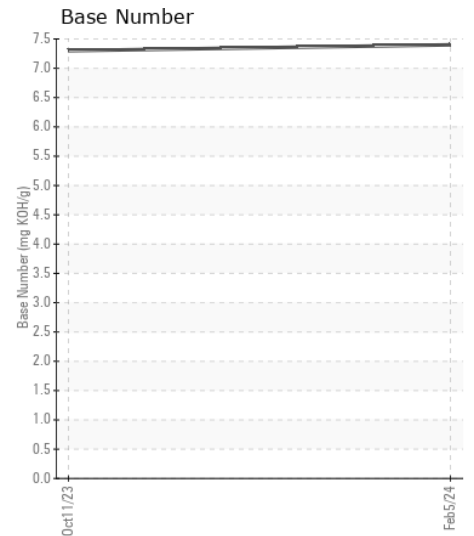
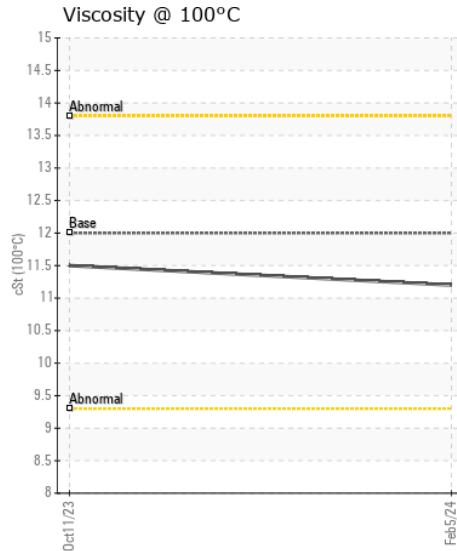
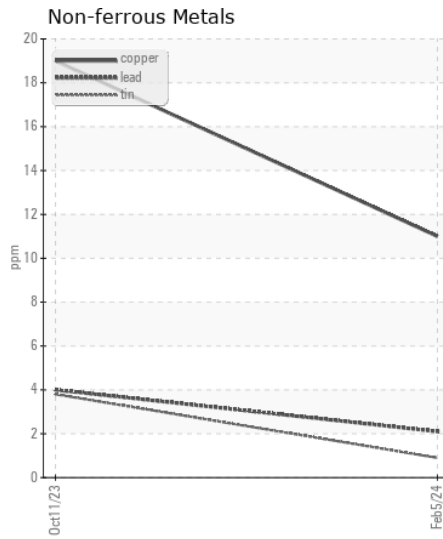
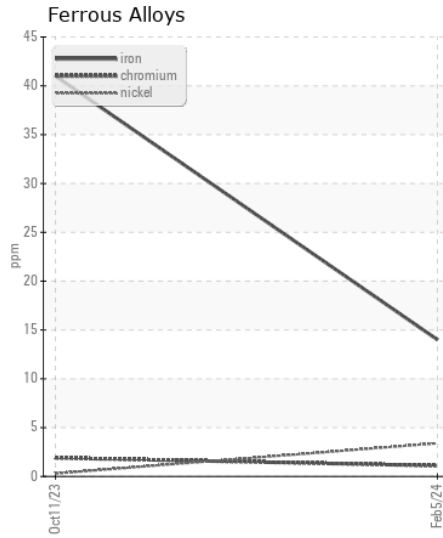
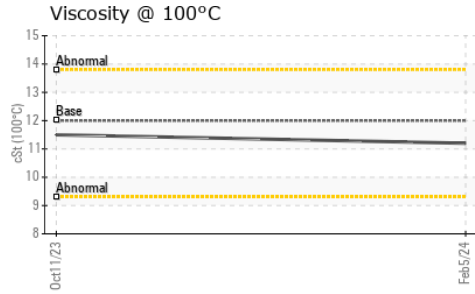
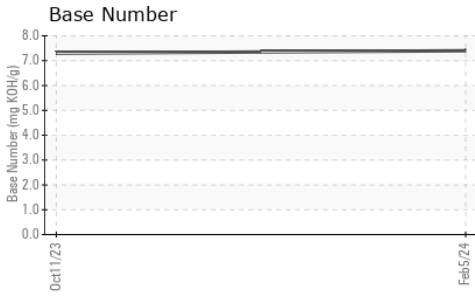
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>8</b>	38	---
Potassium	ppm	ASTM D5185m	>20	<b>29</b>	80	---
Fuel		WC Method	>2.0	<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>0.2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.6</b>	8.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.6</b>	21.0	---
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>4</b>	4	---
Boron	ppm	ASTM D5185m	2	<b>11</b>	52	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	4	---
Molybdenum	ppm	ASTM D5185m	50	<b>47</b>	61	---
Manganese	ppm	ASTM D5185m	0	<b>0</b>	5	---
Magnesium	ppm	ASTM D5185m	950	<b>684</b>	509	---
Calcium	ppm	ASTM D5185m	1050	<b>1205</b>	1633	---
Phosphorus	ppm	ASTM D5185m	995	<b>917</b>	1015	---
Zinc	ppm	ASTM D5185m	1180	<b>1130</b>	1252	---
Sulfur	ppm	ASTM D5185m	2600	<b>3257</b>	2955	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.8</b>	17.7	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.4</b>	7.3	---
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103645  
**Lab Number** : 06086835  
**Unique Number** : 10874280  
**Test Package** : FLEET

**Received** : 13 Feb 2024  
**Tested** : 13 Feb 2024  
**Diagnosed** : 13 Feb 2024 - Wes Davis

**Transervice - Shop 1365 - Berkeley-Nazareth**  
 6813 Chrisphalt Drive  
 Bath Borough, PA  
 US 18014

Contact: Stephen Mackes  
 smackes@transervice.com

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)

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