



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

Area  
**(59085Z) Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A624323**  
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>PCA0122390</b>	PCA0103622	PCA0093629
Sample Date		Client Info		<b>17 Jun 2024</b>	18 Dec 2023	28 Aug 2023
Machine Age	mls	Client Info		<b>95072</b>	64308	37383
Oil Age	mls	Client Info		<b>30217</b>	24656	37383
Filter Age	mls	Client Info		<b>30217</b>	24656	37383
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>80	<b>42</b>	35	80
Chromium	ppm	ASTM D5185m	>5	<b>1</b>	2	5
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>33</b>	2	<1
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>30	<b>14</b>	29	94
Lead	ppm	ASTM D5185m	>30	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>150	<b>49</b>	133	252
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	2	5
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

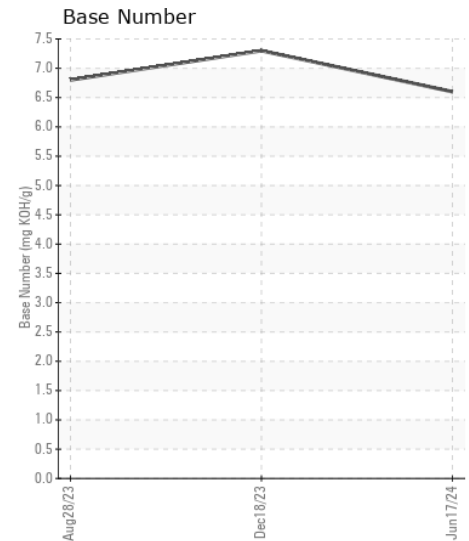
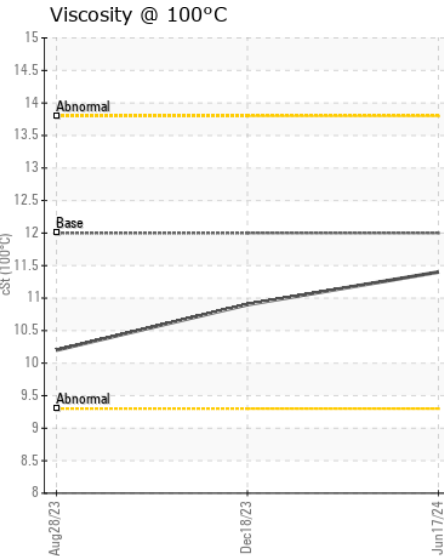
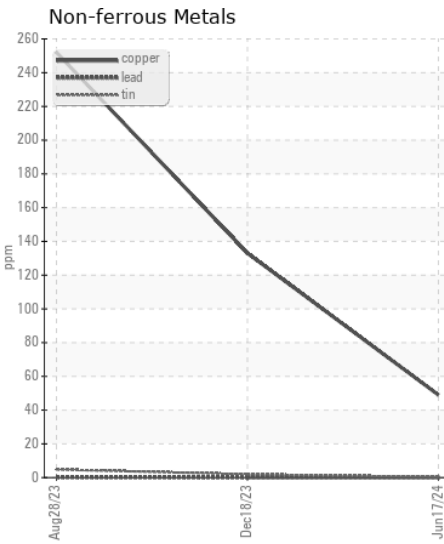
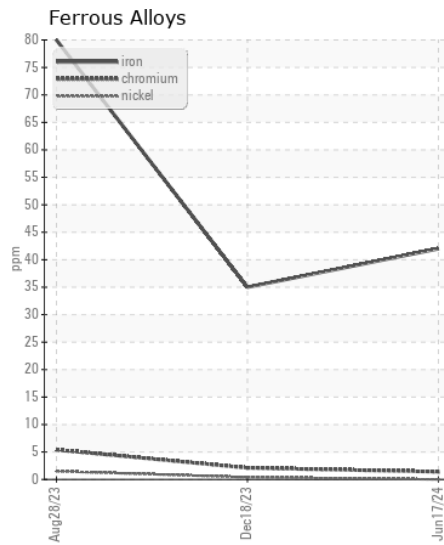
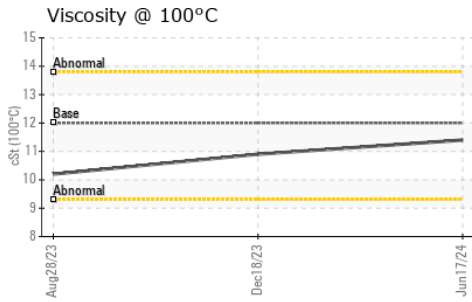
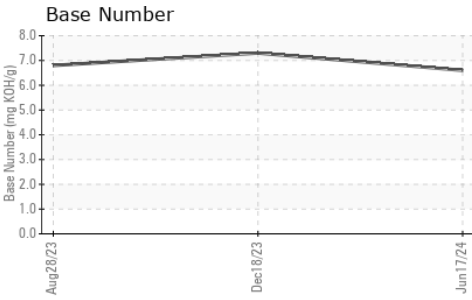
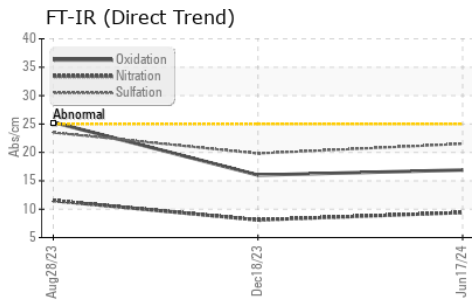
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	4	9
Potassium	ppm	ASTM D5185m	>20	<b>31</b>	71	269
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
Soot %	%	*ASTM D7844	>3	<b>0.8</b>	0.6	0.9
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.4</b>	8.1	11.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.5</b>	19.8	23.5
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	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>2</b>	0	8
Boron	ppm	ASTM D5185m	2	<b>18</b>	6	27
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>35</b>	54	43
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	6
Magnesium	ppm	ASTM D5185m	950	<b>752</b>	804	544
Calcium	ppm	ASTM D5185m	1050	<b>1526</b>	1283	1777
Phosphorus	ppm	ASTM D5185m	995	<b>1045</b>	849	730
Zinc	ppm	ASTM D5185m	1180	<b>1320</b>	1144	886
Sulfur	ppm	ASTM D5185m	2600	<b>3543</b>	2455	2186
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.9</b>	16.0	25.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.6</b>	7.3	6.8
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.4</b>	10.9	10.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122390 **Received** : 10 Jul 2024  
**Lab Number** : 06232872 **Tested** : 11 Jul 2024  
**Unique Number** : 11116365 **Diagnosed** : 11 Jul 2024 - Wes Davis  
**Test Package** : FLEET

**Transervice - Shop 1365 - Berkeley-Nazareth**  
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 Bath Borough, PA  
 US 18014  
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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)