



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

Area  
**Walgreens - Tractor**  
Machine Id  
**[Walgreens - Tractor] 136A63286**  
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>PCA0122388</b>	PCA0103647	PCA0103709
Sample Date		Client Info		<b>03 Jun 2024</b>	05 Feb 2024	06 Nov 2023
Machine Age	mls	Client Info		<b>115219</b>	92838	62512
Oil Age	mls	Client Info		<b>27712</b>	22921	22512
Filter Age	mls	Client Info		<b>27712</b>	22921	22512
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>11</b>	11	19
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	▲ 4	0
Titanium	ppm	ASTM D5185m		<b>21</b>	<1	5
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>20	<b>4</b>	4	11
Lead	ppm	ASTM D5185m	>40	<b>2</b>	<1	3
Copper	ppm	ASTM D5185m	>330	<b>2</b>	12	5
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

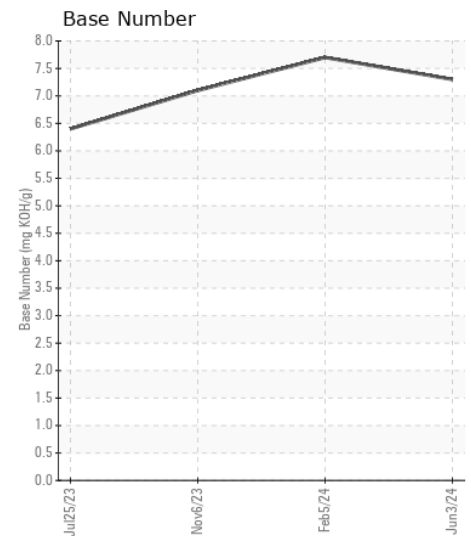
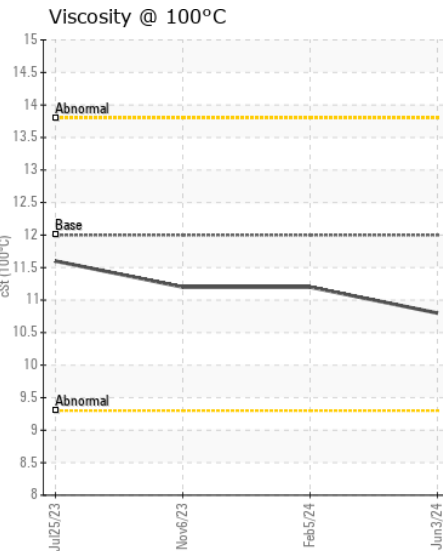
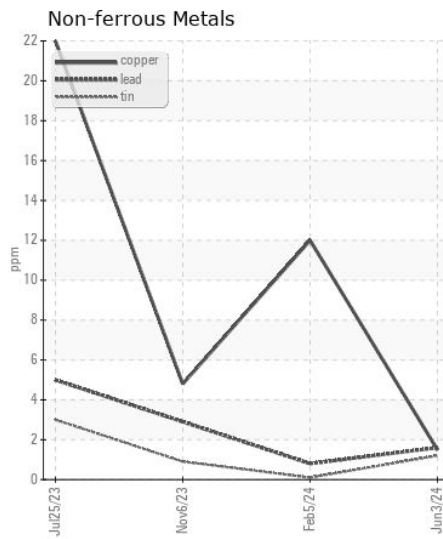
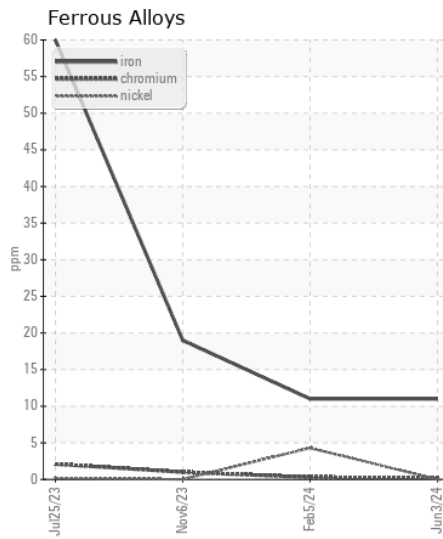
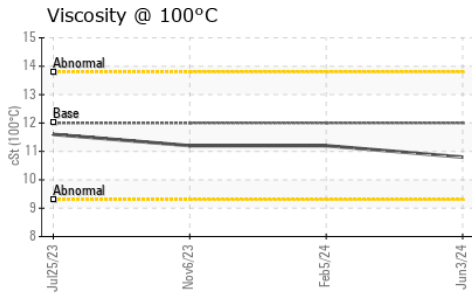
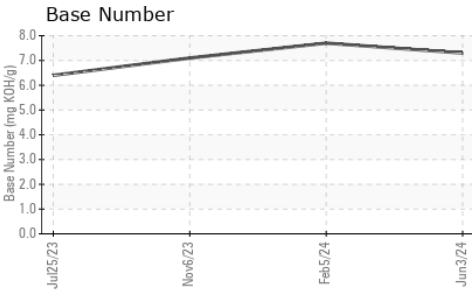
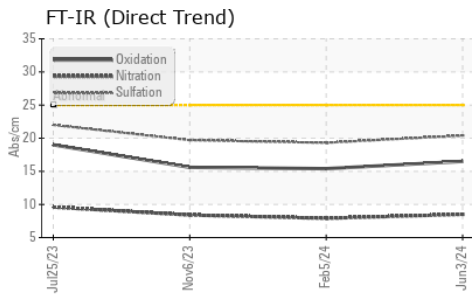
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	6	10
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	13	30
Fuel		WC Method	>2.0	<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>0.3</b>	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.5</b>	7.9	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>20.4</b>	19.3	19.7
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>4</b>	<1	2
Boron	ppm	ASTM D5185m	2	<b>24</b>	7	5
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>41</b>	50	53
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	950	<b>775</b>	752	851
Calcium	ppm	ASTM D5185m	1050	<b>1307</b>	1156	1150
Phosphorus	ppm	ASTM D5185m	995	<b>1064</b>	968	929
Zinc	ppm	ASTM D5185m	1180	<b>1231</b>	1151	1264
Sulfur	ppm	ASTM D5185m	2600	<b>3887</b>	3281	2979
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.5</b>	15.4	15.6
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.3</b>	7.7	7.1
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.8</b>	11.2	11.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0122388  
**Lab Number** : 06214128  
**Unique Number** : 11086992  
**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

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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