



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(66433Z) Walgreens - Tractor
Machine Id
[Walgreens - Tractor] 136A624105
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		PCA0122413	PCA0103682	---
Sample Date		Client Info		01 Apr 2024	17 Nov 2023	---
Machine Age	mls	Client Info		70943	31202	---
Oil Age	mls	Client Info		31021	31202	---
Filter Age	mls	Client Info		31021	31202	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>80	61	50	---
Chromium	ppm	ASTM D5185m	>5	4	3	---
Nickel	ppm	ASTM D5185m	>2	1	<1	---
Titanium	ppm	ASTM D5185m		1	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>30	33	85	---
Lead	ppm	ASTM D5185m	>30	<1	4	---
Copper	ppm	ASTM D5185m	>150	107	▲ 223	---
Tin	ppm	ASTM D5185m	>5	2	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

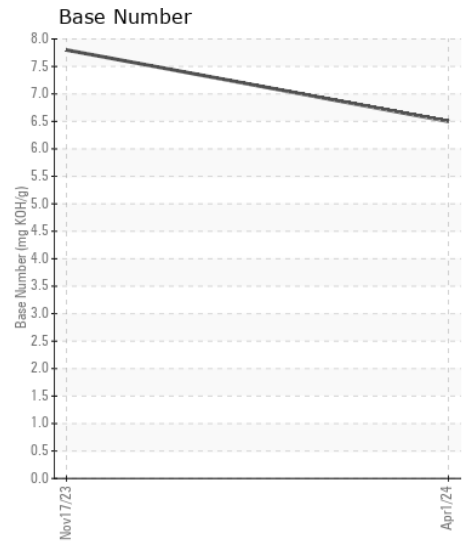
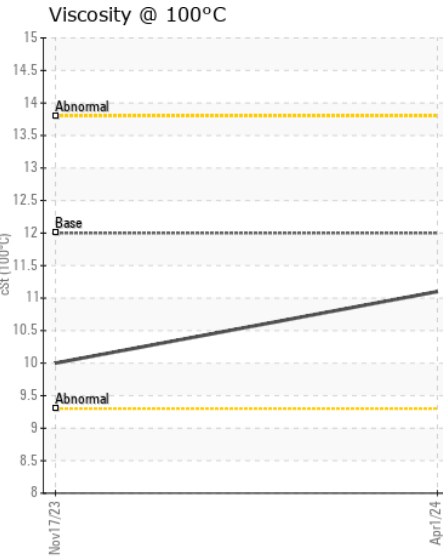
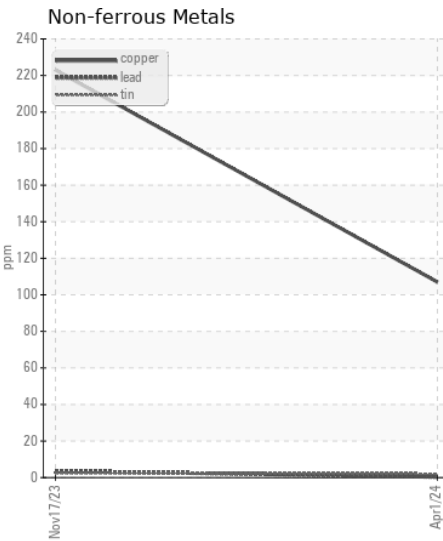
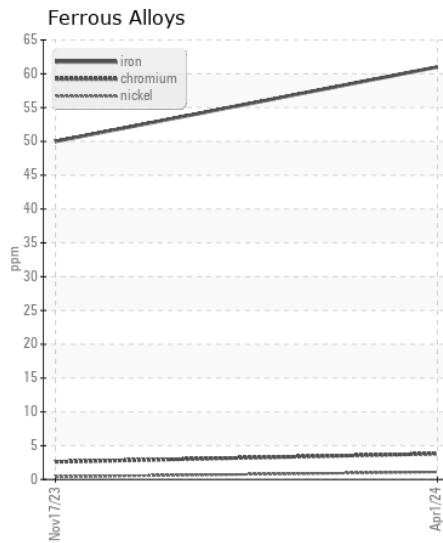
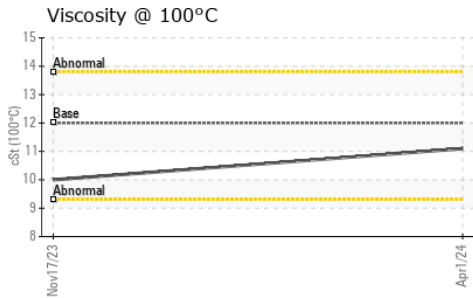
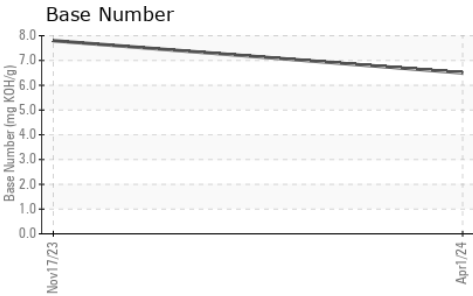
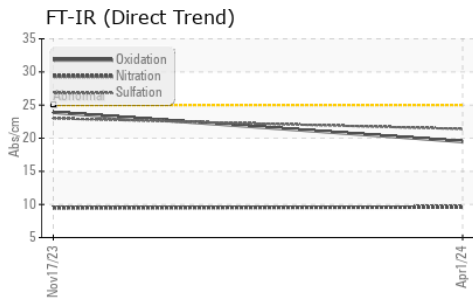
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	8	9	---
Potassium	ppm	ASTM D5185m	>20	71	201	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.9	0.7	---
Nitration	Abs/cm	*ASTM D7624	>20	9.6	9.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	23.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		2	5	---
Boron	ppm	ASTM D5185m	2	11	34	---
Barium	ppm	ASTM D5185m	0	1	0	---
Molybdenum	ppm	ASTM D5185m	50	52	39	---
Manganese	ppm	ASTM D5185m	0	2	4	---
Magnesium	ppm	ASTM D5185m	950	800	546	---
Calcium	ppm	ASTM D5185m	1050	1393	1806	---
Phosphorus	ppm	ASTM D5185m	995	981	758	---
Zinc	ppm	ASTM D5185m	1180	1180	859	---
Sulfur	ppm	ASTM D5185m	2600	2726	1936	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	23.9	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	7.8	---
Visc @ 100°C	cSt	ASTM D445	12.00	11.1	10.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0122413
Lab Number : 06149885
Unique Number : 10979963
Test Package : FLEET

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 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)