



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Walgreens - Tractor
 Machine Id
[Walgreens - Tractor] 136A624120
 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		PCA0103660	PCA0103683	---
Sample Date		Client Info		05 Mar 2024	29 Nov 2023	---
Machine Age	mls	Client Info		51572	30367	---
Oil Age	mls	Client Info		21201	30367	---
Filter Age	mls	Client Info		21201	30367	---
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	>100	16	42	---
Chromium	ppm	ASTM D5185m	>20	1	1	---
Nickel	ppm	ASTM D5185m	>4	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	9	29	---
Lead	ppm	ASTM D5185m	>40	3	5	---
Copper	ppm	ASTM D5185m	>330	3	24	---
Tin	ppm	ASTM D5185m	>15	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

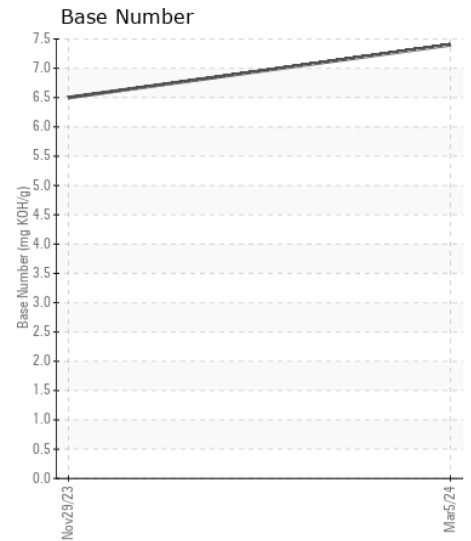
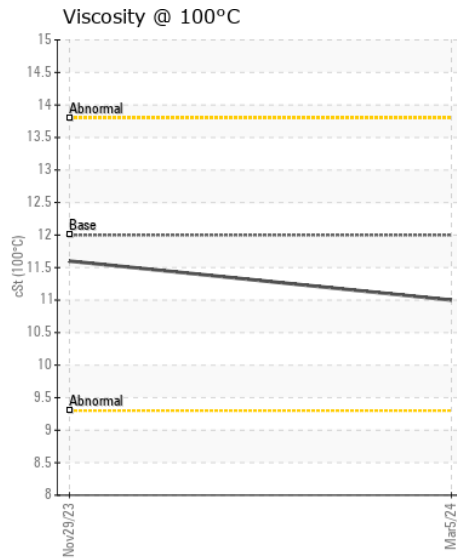
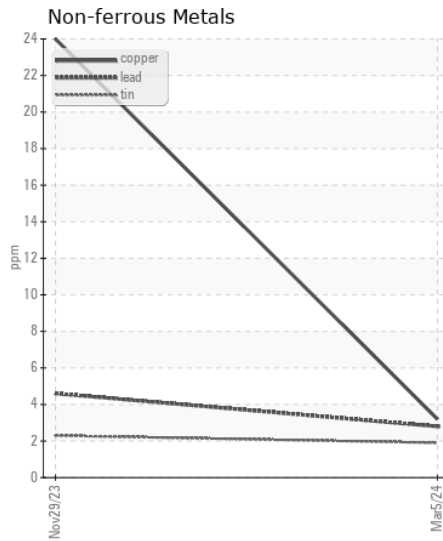
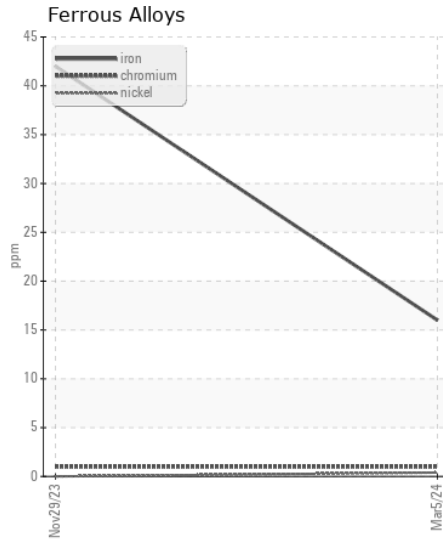
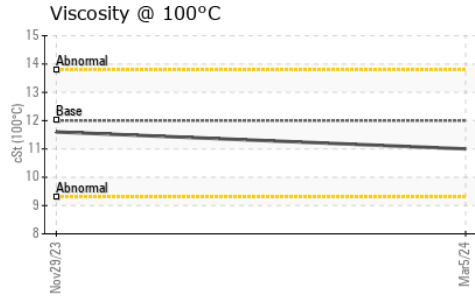
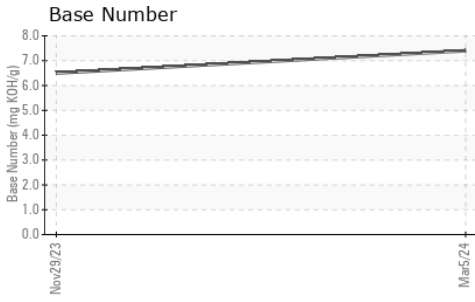
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	10	▲ 41	---
Potassium	ppm	ASTM D5185m	>20	19	83	---
Fuel		WC Method	>2.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	7.8	8.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	21.8	---
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	3	---
Boron	ppm	ASTM D5185m	2	10	39	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	50	53	59	---
Manganese	ppm	ASTM D5185m	0	<1	4	---
Magnesium	ppm	ASTM D5185m	950	803	478	---
Calcium	ppm	ASTM D5185m	1050	1276	1848	---
Phosphorus	ppm	ASTM D5185m	995	1022	1016	---
Zinc	ppm	ASTM D5185m	1180	1220	1201	---
Sulfur	ppm	ASTM D5185m	2600	3511	2912	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	18.9	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.4	6.5	---
Visc @ 100°C	cSt	ASTM D445	12.00	11.0	11.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103660
Lab Number : 06121383
Unique Number : 10930216
Test Package : FLEET

Received : 18 Mar 2024
Tested : 19 Mar 2024
Diagnosed : 19 Mar 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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