



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
DT814

Component
Rear Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0113215	PCA0096987	---
Sample Date		Client Info		22 Jan 2024	02 Jun 2023	---
Machine Age	mls	Client Info		55865	27798	---
Oil Age	mls	Client Info		55865	0	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	214	140	---
Chromium	ppm	ASTM D5185m	>8	2	1	---
Nickel	ppm	ASTM D5185m	>20	10	6	---
Titanium	ppm	ASTM D5185m	>4	<1	<1	---
Silver	ppm	ASTM D5185m		1	0	---
Aluminum	ppm	ASTM D5185m	>30	3	<1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	2	1	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

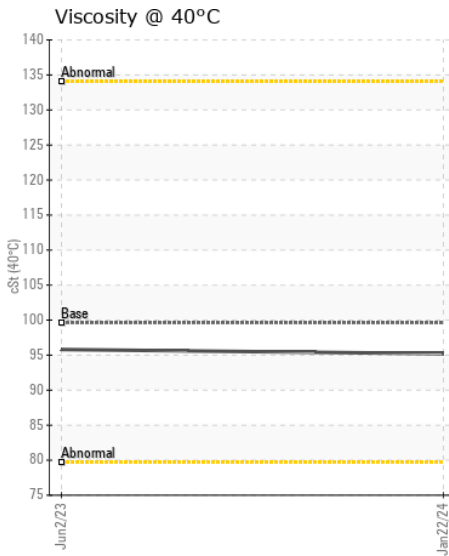
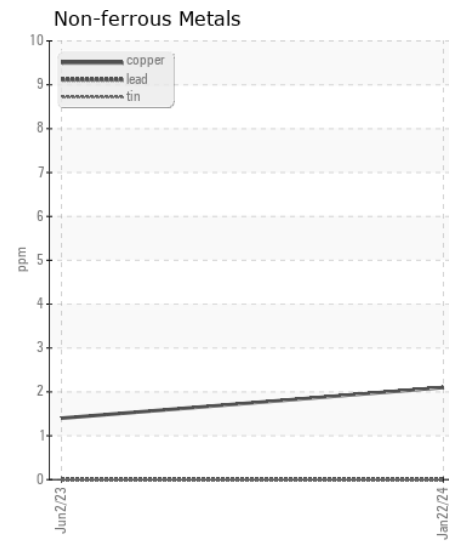
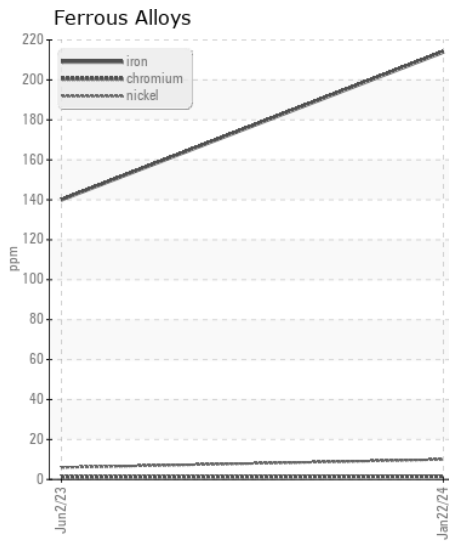
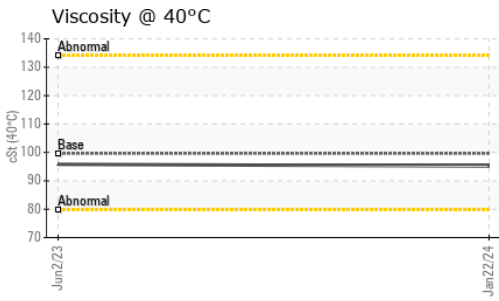
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>230	199	157	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	2	---
Boron	ppm	ASTM D5185m	328	202	179	---
Barium	ppm	ASTM D5185m	1	2	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		4	3	---
Magnesium	ppm	ASTM D5185m	1	9	8	---
Calcium	ppm	ASTM D5185m	7	36	31	---
Phosphorus	ppm	ASTM D5185m	1145	1202	1104	---
Zinc	ppm	ASTM D5185m	3	10	18	---
Sulfur	ppm	ASTM D5185m	17909	29768	30049	---
Visc @ 40°C	cSt	ASTM D445	99.6	95.2	95.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0113215 **Received** : 29 Jan 2024
Lab Number : 06073367 **Diagnosed** : 30 Jan 2024
Unique Number : 10850044 **Diagnostician** : Wes Davis
Test Package : FLEET

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 PIEDMONT, SC
 US 29673
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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)