



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



Machine Id  
**TC203**  
Component  
**Front Differential**  
Fluid

**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0091031</b>	PCA0080008	PCA0076620
Sample Date		Client Info		<b>10 Mar 2023</b>	11 Nov 2022	20 Jul 2022
Machine Age	hrs	Client Info		<b>6620</b>	5969	5336
Oil Age	hrs	Client Info		<b>6620</b>	5969	5336
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>66</b>	69	73
Chromium	ppm	ASTM D5185m	>3	<b>1</b>	1	1
Nickel	ppm	ASTM D5185m	>3	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>3</b>	2	4
Lead	ppm	ASTM D5185m	>13	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>103	<b>25</b>	28	30
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

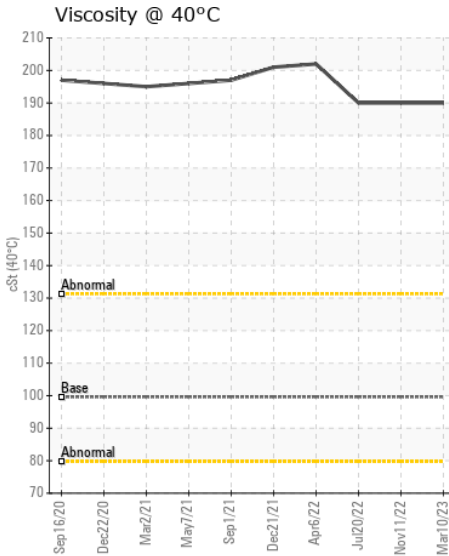
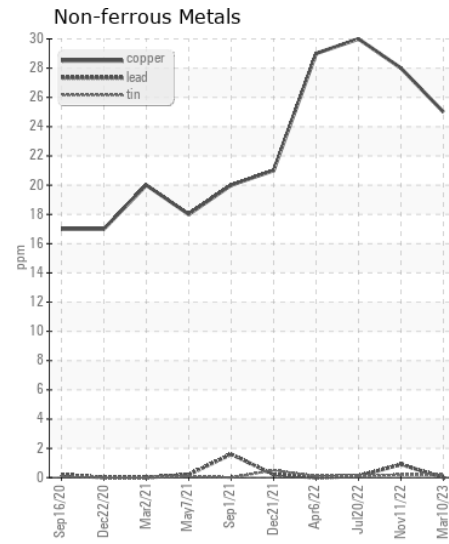
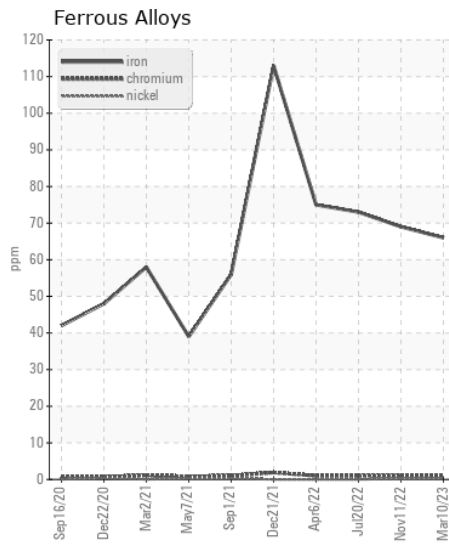
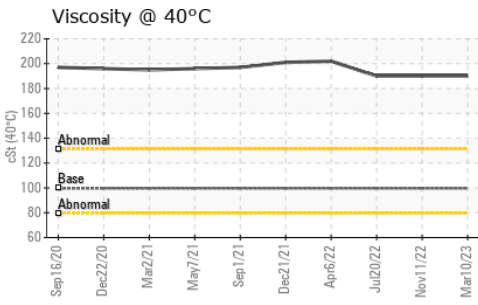
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	<b>4</b>	4	6
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	4
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
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	>.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>2</b>	2	0
Boron	ppm	ASTM D5185m	328	<b>14</b>	17	22
Barium	ppm	ASTM D5185m	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	1	2
Manganese	ppm	ASTM D5185m		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m	1	<b>19</b>	20	18
Calcium	ppm	ASTM D5185m	7	<b>2693</b>	2875	3226
Phosphorus	ppm	ASTM D5185m	1145	<b>986</b>	1048	1252
Zinc	ppm	ASTM D5185m	3	<b>1157</b>	1193	1322
Sulfur	ppm	ASTM D5185m	17909	<b>16134</b>	16536	19858
Visc @ 40°C	cSt	ASTM D445	99.6	<b>190</b>	190	190



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0091031  
**Lab Number** : 05790097  
**Unique Number** : 10374768  
**Test Package** : FLEET  
**Received** : 13 Mar 2023  
**Tested** : 14 Mar 2023  
**Diagnosed** : 14 Mar 2023 - Sean Felton

**CR JACKSON - COLUMBIA**  
 100 INDEPENDENCE BLVD  
 COLUMBIA, SC  
 US 29202-6848  
 Contact: ROBERT HENDRIX  
 rhendrix@crjackson.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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