



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TC203

Component
Rear Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (29 hrs)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0091030	PCA0080009	PCA0076601
Sample Date		Client Info		10 Mar 2023	11 Nov 2022	20 Jul 2022
Machine Age	hrs	Client Info		6620	5969	5336
Oil Age	hrs	Client Info		6620	5969	5336
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	126	122	129
Chromium	ppm	ASTM D5185m	>10	2	2	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	2	4
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>100	26	25	26
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	LIGHT	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

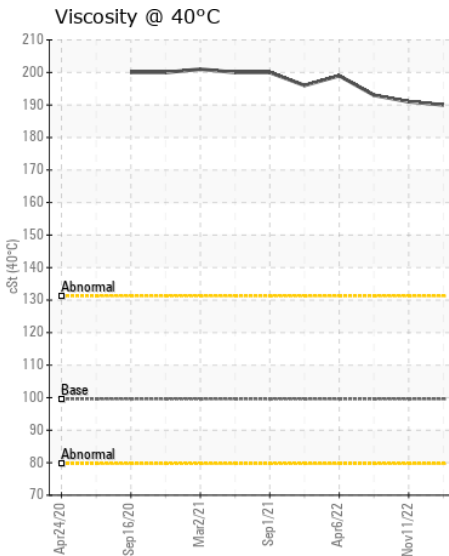
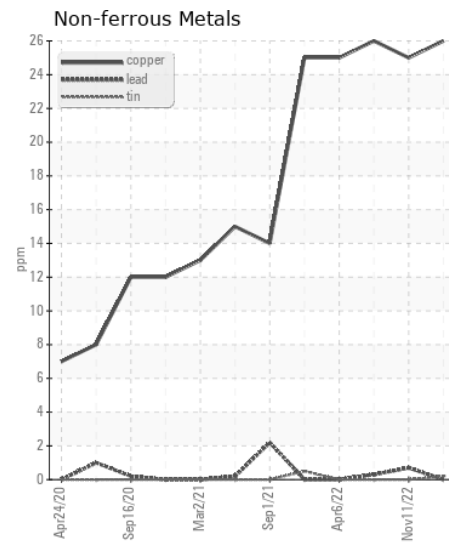
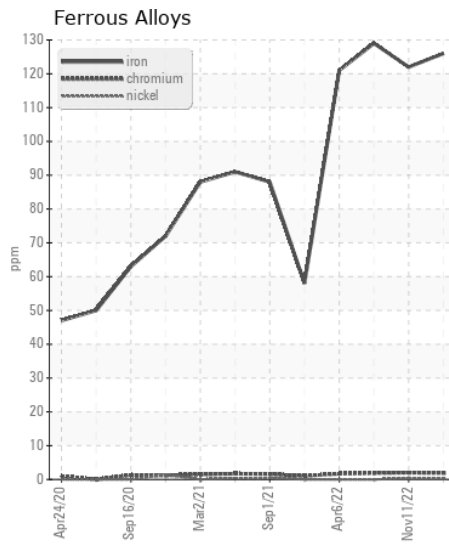
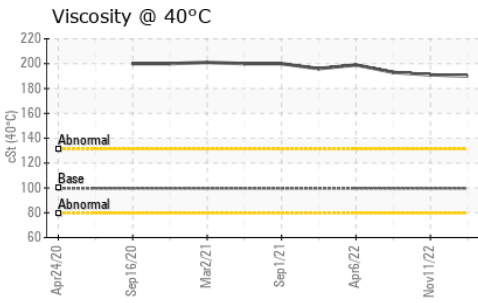
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	6	8
Potassium	ppm	ASTM D5185m	>20	3	0	4
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	2	0
Boron	ppm	ASTM D5185m	328	20	22	26
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m	1	24	25	24
Calcium	ppm	ASTM D5185m	7	2686	2739	3071
Phosphorus	ppm	ASTM D5185m	1145	1010	1019	1218
Zinc	ppm	ASTM D5185m	3	1122	1138	1257
Sulfur	ppm	ASTM D5185m	17909	16278	16430	20641
Visc @ 40°C	cSt	ASTM D445	99.6	190	191	193



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0091030
Lab Number : 05790100
Unique Number : 10374771
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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