



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
DT794

Component
Front Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0091262	PCA0103329	PCA0074816
Sample Date		Client Info		18 Apr 2024	04 Oct 2023	06 Sep 2022
Machine Age	hrs	Client Info		154564	129851	76946
Oil Age	hrs	Client Info		101659	52905	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	140	82	74
Chromium	ppm	ASTM D5185m	>10	2	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	▲ 35
Lead	ppm	ASTM D5185m	>25	<1	0	▲ 35
Copper	ppm	ASTM D5185m	>100	13	0	16
Tin	ppm	ASTM D5185m	>10	<1	<1	5
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

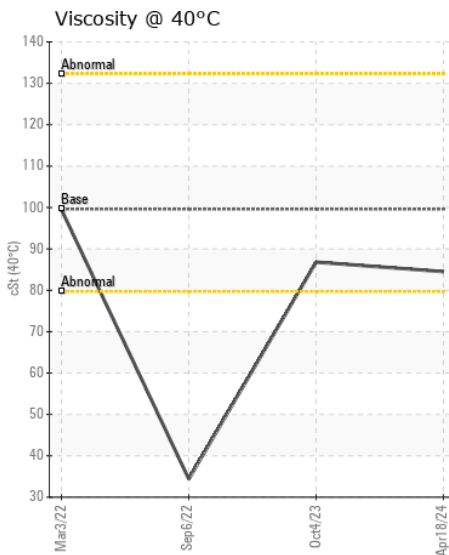
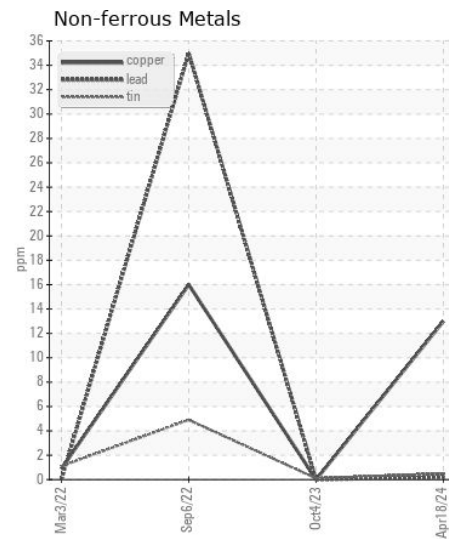
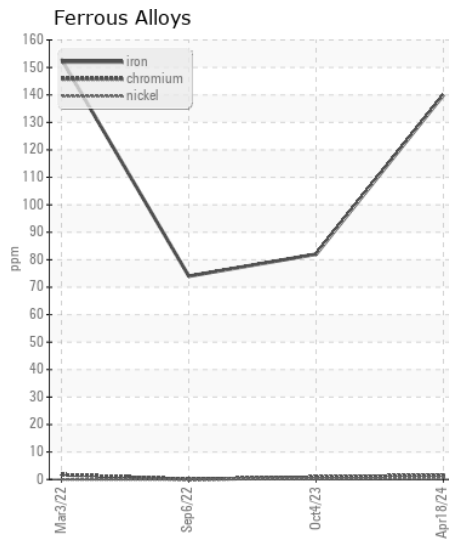
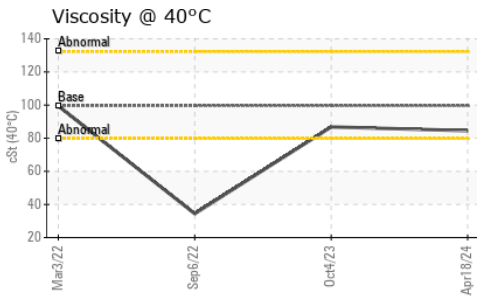
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	18	20	5
Potassium	ppm	ASTM D5185m	>20	1	1	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	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	<1	5
Boron	ppm	ASTM D5185m	328	217	187	● 92
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m		19	17	1
Manganese	ppm	ASTM D5185m		6	2	1
Magnesium	ppm	ASTM D5185m	1	186	192	1
Calcium	ppm	ASTM D5185m	7	258	253	73
Phosphorus	ppm	ASTM D5185m	1145	1370	1404	● 260
Zinc	ppm	ASTM D5185m	3	279	273	12
Sulfur	ppm	ASTM D5185m	17909	21907	20714	● 1600
Visc @ 40°C	cSt	ASTM D445	99.6	84.5	86.8	● 34.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0091262
Lab Number : 06158586
Unique Number : 10994009
Test Package : FLEET

Received : 23 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Angela Borella

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673

Contact: James Threatt
 jthreatt@nwwhite.com

T: (864)918-4646

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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