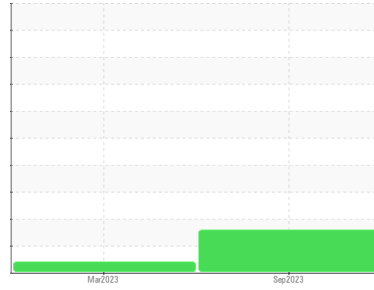


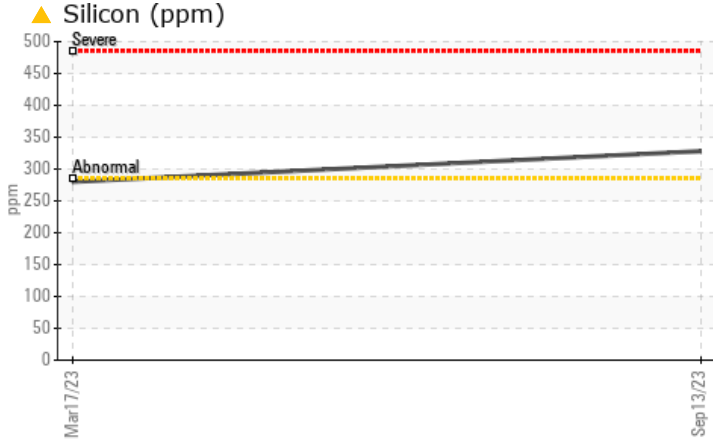
PROBLEM SUMMARY

Sample Rating Trend



Machine Id
DT818
Component
Front Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (4 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	ABNORMAL	---
Silicon	ppm	ASTM D5185m	>285
	▲ 328	280	---

Customer Id: NWWPIE
Sample No.: PCA0103266
Lab Number: 05955649
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

17 Mar 2023 Diag: Don Baldrige

VIS DEBRIS



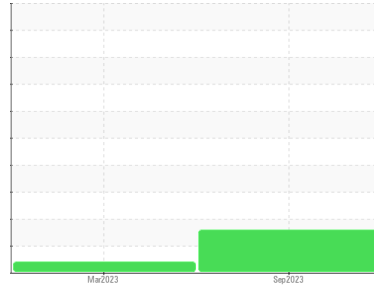
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
DT818
Component
Front Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (4 GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

Elemental level of silicon (Si) above normal.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0103266	PCA0091247	---
Sample Date	Client Info		13 Sep 2023	17 Mar 2023	---
Machine Age	mls	Client Info	61659	26287	---
Oil Age	mls	Client Info	26287	26287	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >870	244	160	---
Chromium	ppm	ASTM D5185m >8	2	<1	---
Nickel	ppm	ASTM D5185m >25	10	7	---
Titanium	ppm	ASTM D5185m >4	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >40	6	2	---
Lead	ppm	ASTM D5185m >25	0	0	---
Copper	ppm	ASTM D5185m >60	1	<1	---
Tin	ppm	ASTM D5185m >5	0	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	161	164	---
Barium	ppm	ASTM D5185m 1	0	0	---
Molybdenum	ppm	ASTM D5185m	2	1	---
Manganese	ppm	ASTM D5185m	4	3	---
Magnesium	ppm	ASTM D5185m 1	16	17	---
Calcium	ppm	ASTM D5185m 7	65	61	---
Phosphorus	ppm	ASTM D5185m 1145	1109	1073	---
Zinc	ppm	ASTM D5185m 3	23	29	---
Sulfur	ppm	ASTM D5185m 17909	29407	25056	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >285	▲ 328	280	---
Sodium	ppm	ASTM D5185m	4	2	---
Potassium	ppm	ASTM D5185m >20	3	1	---

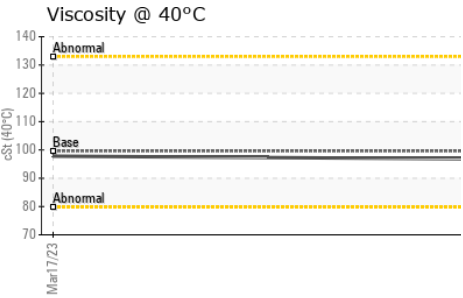
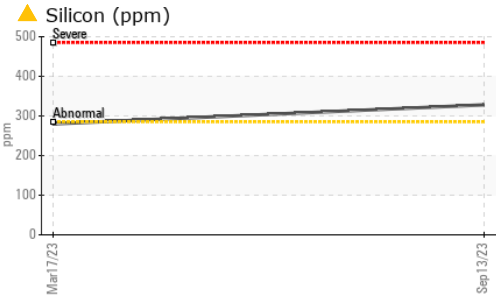
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	LIGHT	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	---
Free Water	scalar	*Visual	NEG	NEG	---

FLUID PROPERTIES

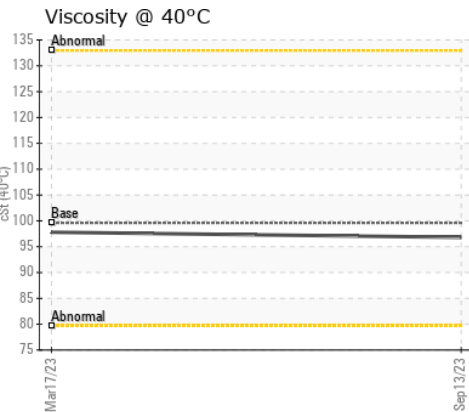
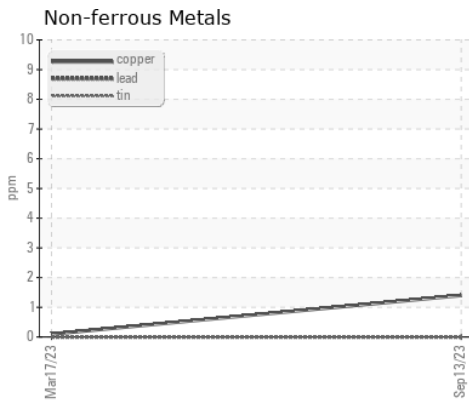
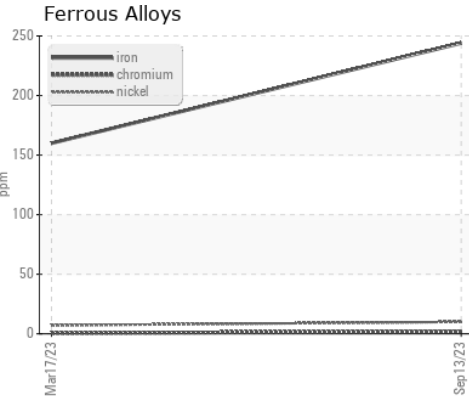
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 99.6	96.8	97.8	---

OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103266 **Received** : 19 Sep 2023
Lab Number : 05955649 **Diagnosed** : 21 Sep 2023
Unique Number : 10656862 **Diagnostician** : Don Baldrige
Test Package : FLEET

NW WHITE & CO - ANDERSON DIVISION
 2605 RIVER RD
 PIEDMONT, SC
 US 29673
 Contact: James Threatt
 jthreatt@nwwhite.com
 T: (864)918-4646
 F:

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)