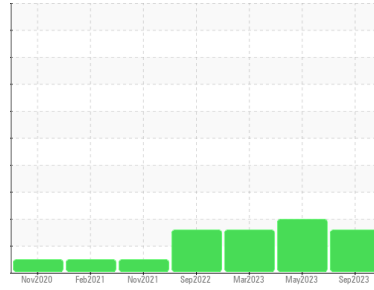


PROBLEM SUMMARY

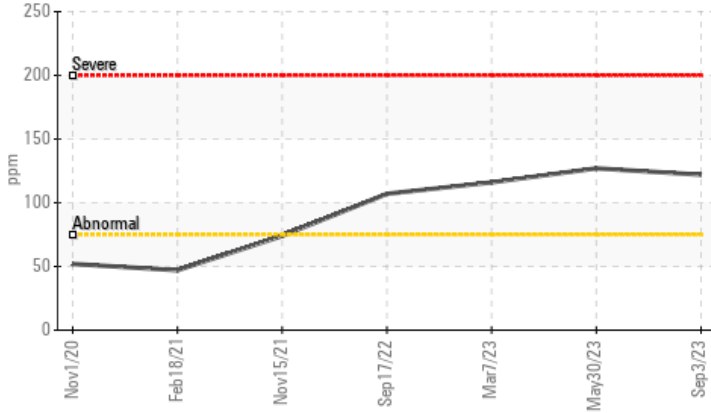
Sample Rating Trend



Machine Id
1926708
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Silicon (ppm)



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m	>75
	▲ 122	▲ 127	▲ 116

Customer Id: PERGEODE
 Sample No.: PCA0105500
 Lab Number: 06031954
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

30 May 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



07 Mar 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.

view report



17 Sep 2022 Diag: Jonathan Hester

DIRT



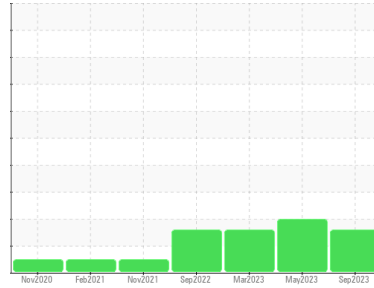
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
1926708
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

DIAGNOSIS

- Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
 All component wear rates are normal.
- Contamination**
 Elemental level of silicon (Si) above normal indicating ingress of seal material.
- 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	PCA0105500	PCA0099753	PCA0094425
Sample Date	Client Info	03 Sep 2023	30 May 2023	07 Mar 2023
Machine Age	mls	Client Info	338629	320152
Oil Age	mls	Client Info	338629	320152
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2	
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>500	341	374	353
Chromium	ppm	ASTM D5185m	>10	2	3	2
Nickel	ppm	ASTM D5185m	>10	7	7	7
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	2	4
Lead	ppm	ASTM D5185m	>25	4	3	3
Copper	ppm	ASTM D5185m	>100	48	53	53
Tin	ppm	ASTM D5185m	>10	3	4	4
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	328	118	129	172
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	1
Manganese	ppm	ASTM D5185m		15	16	14
Magnesium	ppm	ASTM D5185m	1	0	0	2
Calcium	ppm	ASTM D5185m	7	0	10	18
Phosphorus	ppm	ASTM D5185m	1145	1316	1378	1325
Zinc	ppm	ASTM D5185m	3	2	32	31
Sulfur	ppm	ASTM D5185m	17909	22006	26318	20479

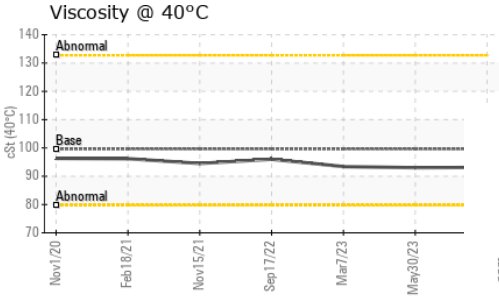
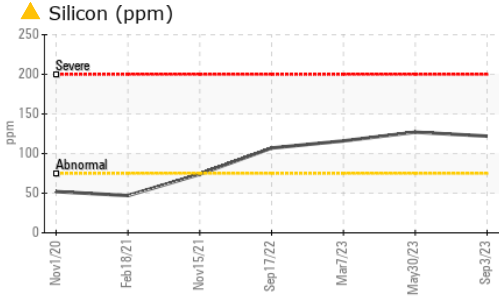
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	▲ 122	▲ 127	▲ 116
Sodium	ppm	ASTM D5185m		8	9	6
Potassium	ppm	ASTM D5185m	>20	<1	2	3

VISUAL

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

OIL ANALYSIS REPORT

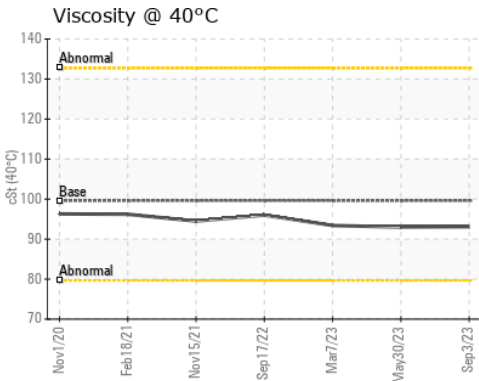
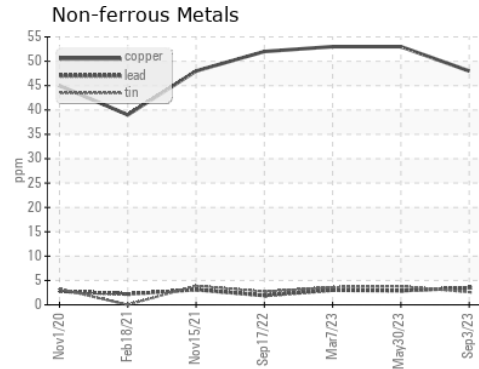
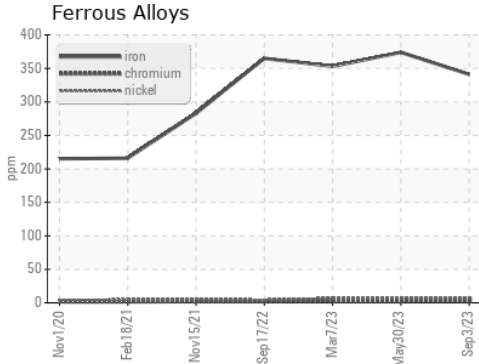


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	93.1	93.0	93.4

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : PCA0105500
Lab Number : **06031954**
Unique Number : 10781745
Test Package : FLEET

PERDUE FARMS - GEORGETOWN
 20621 SAVANAH RD
 GEORGETOWN, DE
 US 19947
 Contact: ROBERT LOCKWOOD
 Robert.Lockwood@Perdue.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)

T:
F: