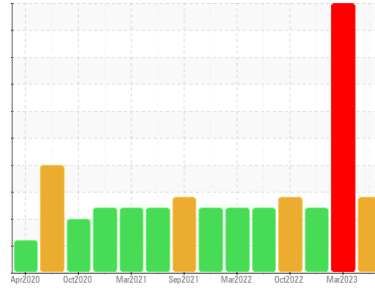


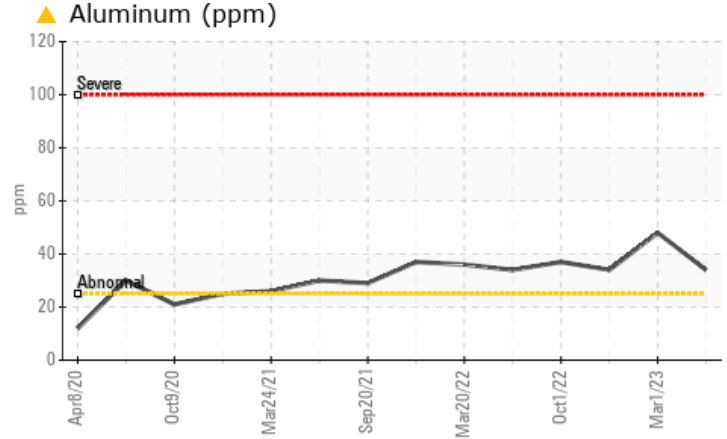
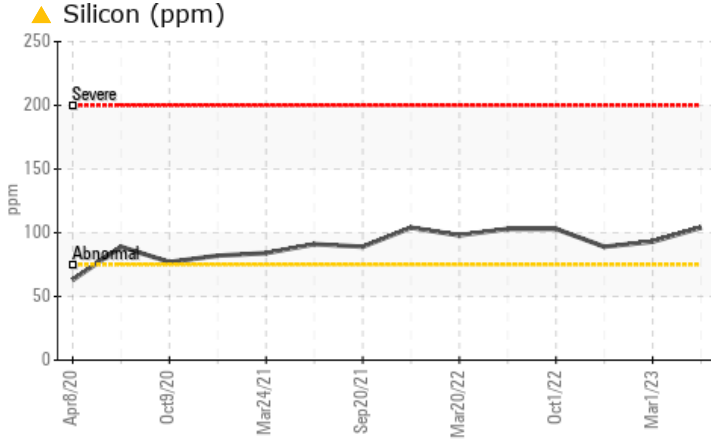
PROBLEM SUMMARY

Sample Rating Trend



Machine Id
26510
Component
2 Differential
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (25 QTS)

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	SEVERE	ABNORMAL
Aluminum	ppm	ASTM D5185m	>25	▲ 34	▲ 48	▲ 34
Silicon	ppm	ASTM D5185m	>75	▲ 104	▲ 93	▲ 89
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE

Customer Id: PERGEODE
Sample No.: PCA0099320
Lab Number: 06031028
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

01 Mar 2023 Diag: Don Baldrige

WEAR



We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report



17 Dec 2022 Diag: Don Baldrige

DIRT



We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

view report



01 Oct 2022 Diag: Jonathan Hester

DIRT



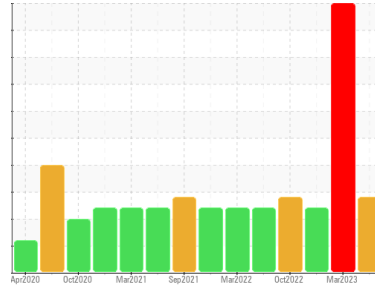
We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Moderate concentration of visible dirt/debris 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
26510

Component
2 Differential
Fluid

PETRO CANADA TRAXON SYNTHETIC 75W90 (25 QTS)

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 levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Moderate concentration of visible dirt/debris present in the oil.

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	PCA0099320	PCA0094136	PCA0088186	
Sample Date	Client Info	15 May 2023	01 Mar 2023	17 Dec 2022	
Machine Age	mls	Client Info	674166	651265	630477
Oil Age	mls	Client Info	674166	20788	630477
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed	
Sample Status		ABNORMAL	SEVERE	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	282	▲ 564	235
Chromium	ppm	ASTM D5185m	>10	2	4	2
Nickel	ppm	ASTM D5185m	>10	9	8	8
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	▲ 34	▲ 48	▲ 34
Lead	ppm	ASTM D5185m	>25	0	▲ 50	0
Copper	ppm	ASTM D5185m	>100	4	◆ 214	3
Tin	ppm	ASTM D5185m	>10	0	◆ 25	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	328	106	169	160
Barium	ppm	ASTM D5185m	1	<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		10	12	8
Magnesium	ppm	ASTM D5185m	1	2	2	2
Calcium	ppm	ASTM D5185m	7	14	12	11
Phosphorus	ppm	ASTM D5185m	1145	1541	1485	1413
Zinc	ppm	ASTM D5185m	3	22	92	2
Sulfur	ppm	ASTM D5185m	17909	25282	24601	25056

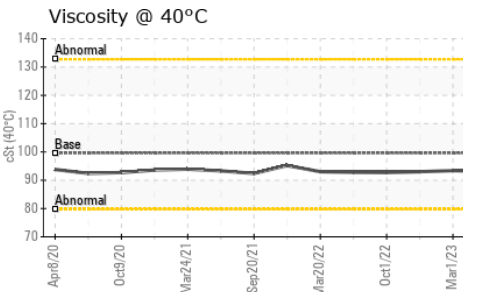
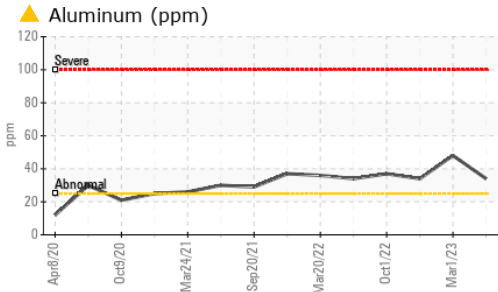
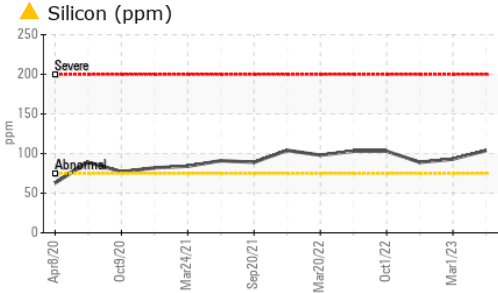
CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>75	▲ 104	▲ 93	▲ 89
Sodium	ppm	ASTM D5185m		12	11	11
Potassium	ppm	ASTM D5185m	>20	8	8	5

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	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	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
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT

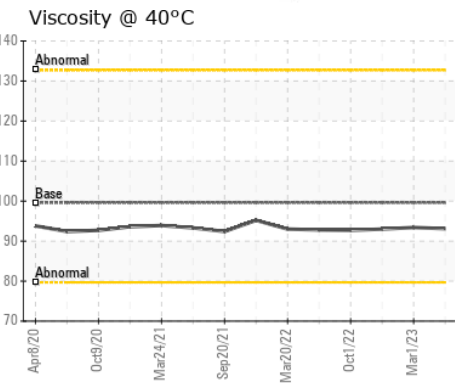
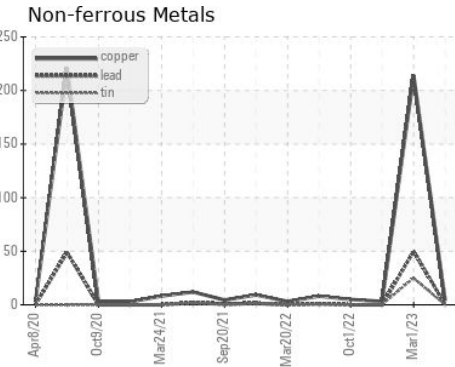
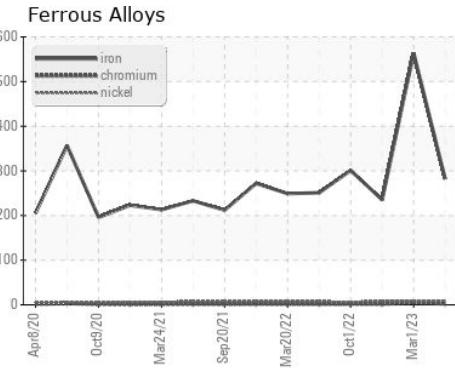


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	93.1	93.4	93.0

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. : PCA0099320
Lab Number : 06031028
Unique Number : 10780819
Test Package : FLEET

Received : 11 Dec 2023
Diagnosed : 14 Dec 2023
Diagnostician : Don Baldrige

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: