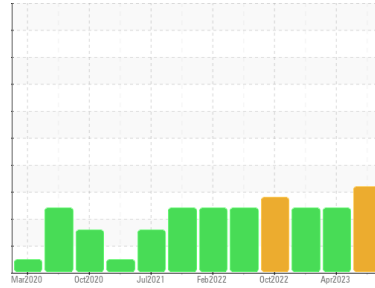


PROBLEM SUMMARY

Sample Rating Trend



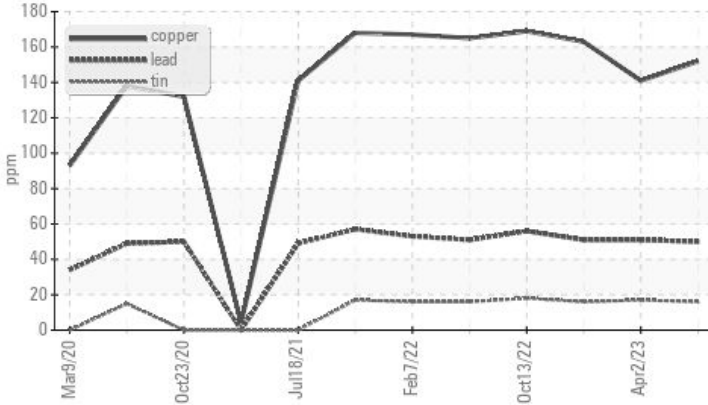
WEAR



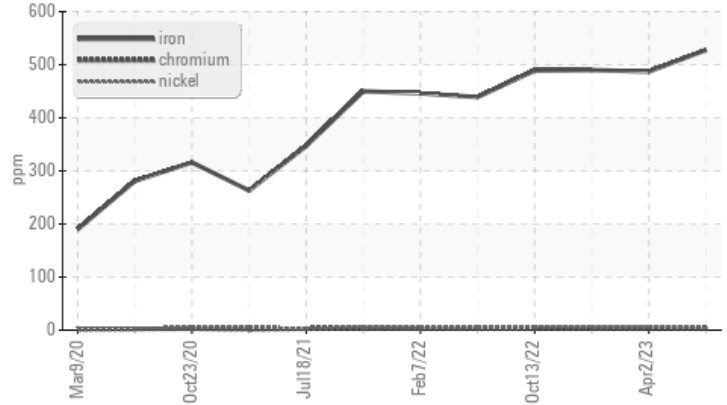
Machine Id
26524
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Ferrous Alloys



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
Iron	ppm	ASTM D5185m	>500	▲ 528	487	490
Lead	ppm	ASTM D5185m	>25	▲ 50	▲ 51	▲ 51
Copper	ppm	ASTM D5185m	>100	▲ 152	▲ 141	▲ 163
Tin	ppm	ASTM D5185m	>10	▲ 16	▲ 17	▲ 16

Customer Id: PERGEODE
 Sample No.: PCA0100365
 Lab Number: 05931192
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

02 Apr 2023 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



08 Jan 2023 Diag: Don Baldrige

WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



13 Oct 2022 Diag: Sean Felton

WEAR



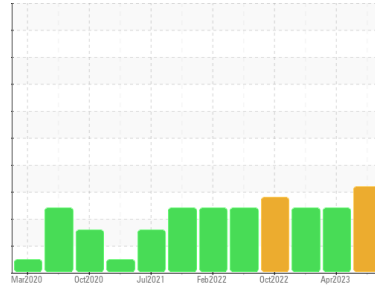
No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. Moderate concentration of visible dirt/debris present in the oil. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
26524

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

Bearing and/or bushing wear is indicated. Gear wear is indicated.

Contamination

There is no indication of any contamination 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	PCA0100365	PCA0094885	PCA0088252
Sample Date	Client Info	19 Jun 2023	02 Apr 2023	08 Jan 2023
Machine Age	mls	Client Info	574783	551848
Oil Age	mls	Client Info	574783	551848
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >500	▲ 528	487	490
Chromium ppm	ASTM D5185m >10	4	4	4
Nickel ppm	ASTM D5185m >10	4	6	6
Titanium ppm	ASTM D5185m	<1	<1	<1
Silver ppm	ASTM D5185m	0	0	0
Aluminum ppm	ASTM D5185m >25	5	4	4
Lead ppm	ASTM D5185m >25	▲ 50	▲ 51	▲ 51
Copper ppm	ASTM D5185m >100	▲ 152	▲ 141	▲ 163
Tin ppm	ASTM D5185m >10	▲ 16	▲ 17	▲ 16
Vanadium ppm	ASTM D5185m	0	0	0
Cadmium ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m 328	115	152	176
Barium ppm	ASTM D5185m 1	0	<1	<1
Molybdenum ppm	ASTM D5185m	0	<1	<1
Manganese ppm	ASTM D5185m	12	14	14
Magnesium ppm	ASTM D5185m 1	<1	4	1
Calcium ppm	ASTM D5185m 7	13	12	11
Phosphorus ppm	ASTM D5185m 1145	1546	1591	1544
Zinc ppm	ASTM D5185m 3	70	91	87
Sulfur ppm	ASTM D5185m 17909	27610	29555	28984

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >75	43	46	44
Sodium ppm	ASTM D5185m	11	10	12
Potassium ppm	ASTM D5185m >20	5	6	5

VISUAL

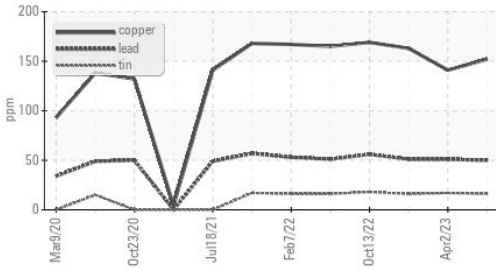
method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

FLUID PROPERTIES

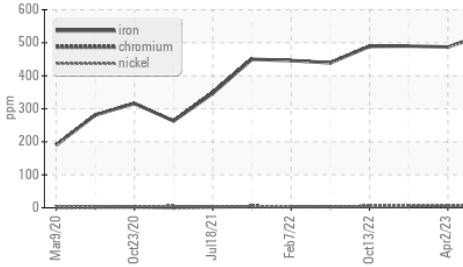
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 99.6	90.6	91.0	91.1

OIL ANALYSIS REPORT

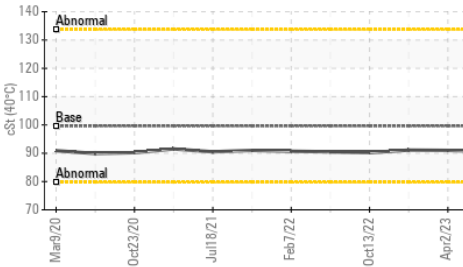
▲ Non-ferrous Metals



▲ Ferrous Alloys



Viscosity @ 40°C

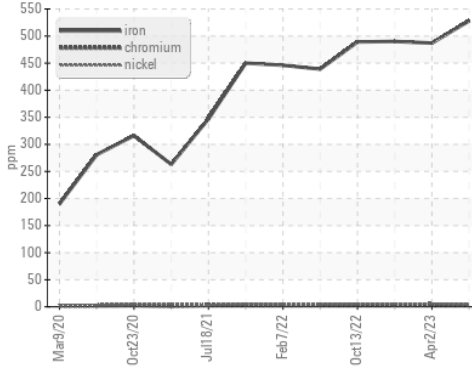


SAMPLE IMAGES

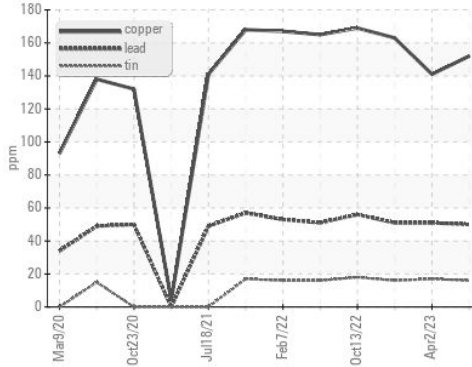
	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS

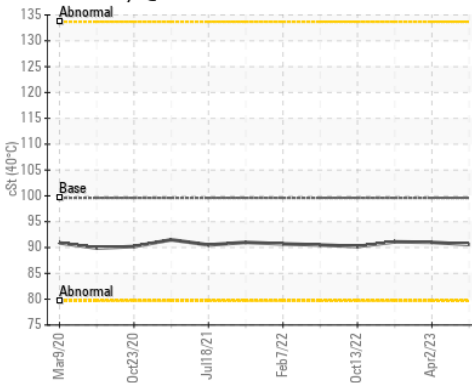
▲ Ferrous Alloys



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0100365 **Received** : 22 Aug 2023
Lab Number : 05931192 **Diagnosed** : 23 Aug 2023
Unique Number : 10616463 **Diagnostician** : Don Baldrige
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: