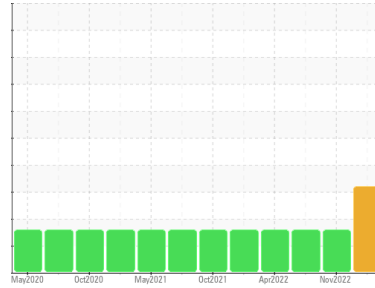


# PROBLEM SUMMARY

Sample Rating Trend



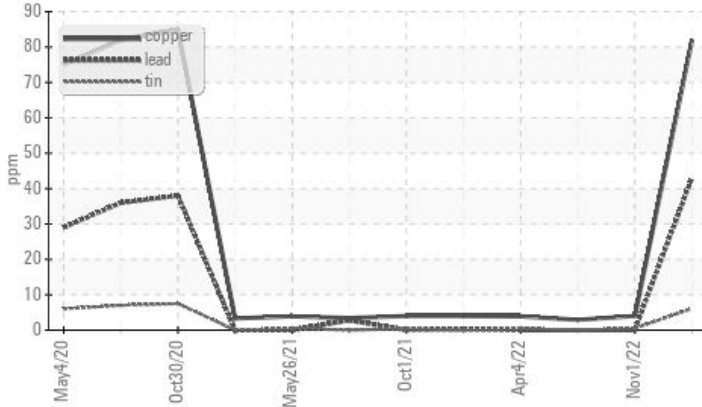
Machine Id  
**VOLVO 26466**

Component  
**Front Differential**

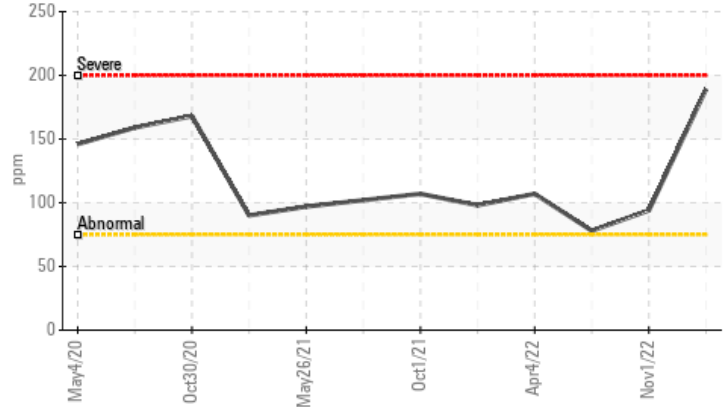
Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)**

## COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ 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
Lead	ppm	ASTM D5185m >25	▲ 43	0	0
Copper	ppm	ASTM D5185m >100	▲ 82	4	3
Silicon	ppm	ASTM D5185m >75	▲ 189	▲ 94	▲ 78

Customer Id: PERBRIDE  
Sample No.: PCA0100549  
Lab Number: 05931066  
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](mailto:don.b505@comcast.net)

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

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

### 01 Nov 2022 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. The condition of the oil is acceptable for the time in service.

view report



### 15 Aug 2022 Diag: Aaron Black

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

view report



### 04 Apr 2022 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. The condition of the oil is acceptable for the time in service.

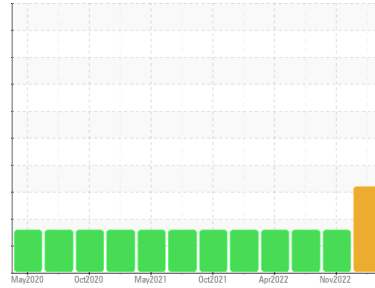
view report



Machine Id  
**VOLVO 26466**

Component  
**Front Differential**

Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)**



## 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. All other component wear rates are normal.
- Contamination**  
Elemental level of silicon (Si) above normal indicating ingress of dirt/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		<b>PCA0100549</b>	PCA0081184	PCA0076503
Sample Date	Client Info		<b>27 Jun 2023</b>	01 Nov 2022	15 Aug 2022
Machine Age	mls	Client Info	<b>592223</b>	544730	528342
Oil Age	mls	Client Info	<b>592223</b>	544730	528342
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>500	<b>482</b>	359	331
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>7</b>	9	4
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	9	8
Lead	ppm	ASTM D5185m	>25	<b>▲ 43</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>▲ 82</b>	4	3
Tin	ppm	ASTM D5185m	>10	<b>6</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	229	<b>170</b>	152	141
Barium	ppm	ASTM D5185m	<1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>12</b>	10	8
Magnesium	ppm	ASTM D5185m	<1	<b>2</b>	4	<1
Calcium	ppm	ASTM D5185m		<b>13</b>	15	0
Phosphorus	ppm	ASTM D5185m	1355	<b>1558</b>	1452	1104
Zinc	ppm	ASTM D5185m		<b>103</b>	4	17
Sulfur	ppm	ASTM D5185m	22698	<b>26800</b>	25056	22320

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>▲ 189</b>	▲ 94	▲ 78
Sodium	ppm	ASTM D5185m		<b>12</b>	10	8
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	6	3

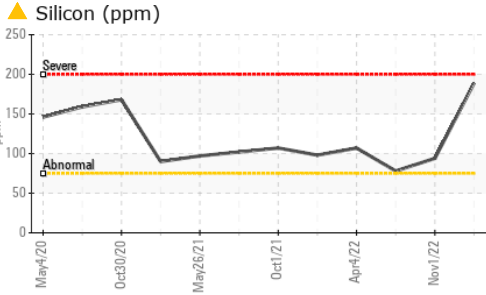
## VISUAL

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

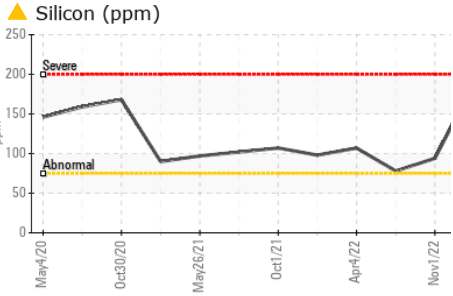
## FLUID PROPERTIES

	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	100.8	<b>87.0</b>	88.5	88.8

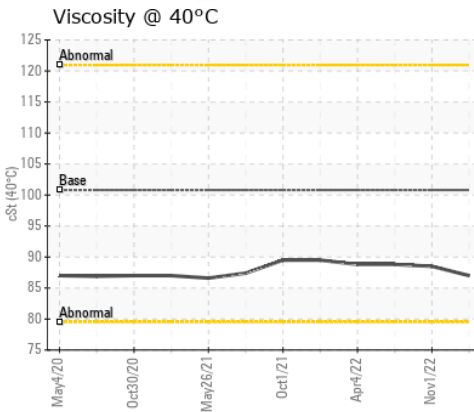
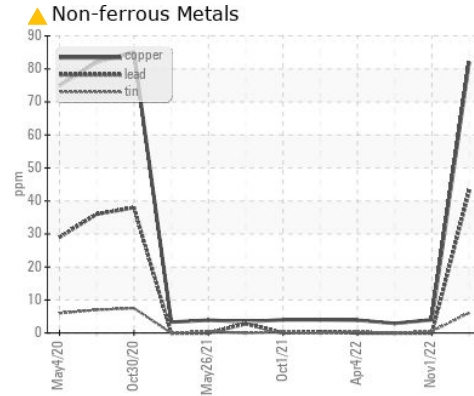
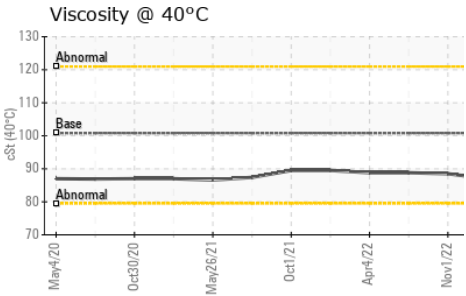
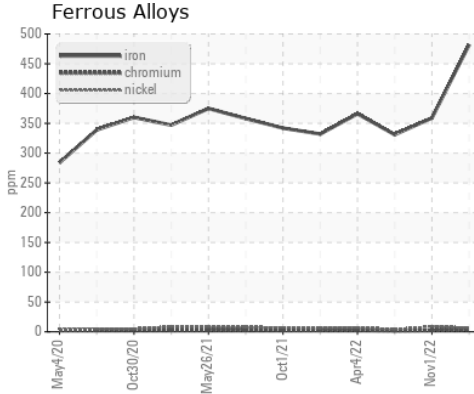
# OIL ANALYSIS REPORT



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.** : PCA0100549 **Received** : 22 Aug 2023  
**Lab Number** : 05931066 **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616337 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - BRIDGEVILLE**  
 8634 E NEWTON RD  
 BRIDGEVILLE, DE  
 US 19933  
 Contact: GEORGE LACATES

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: