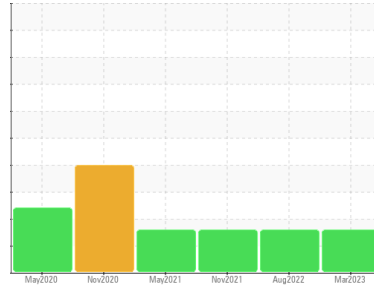




# PROBLEM SUMMARY

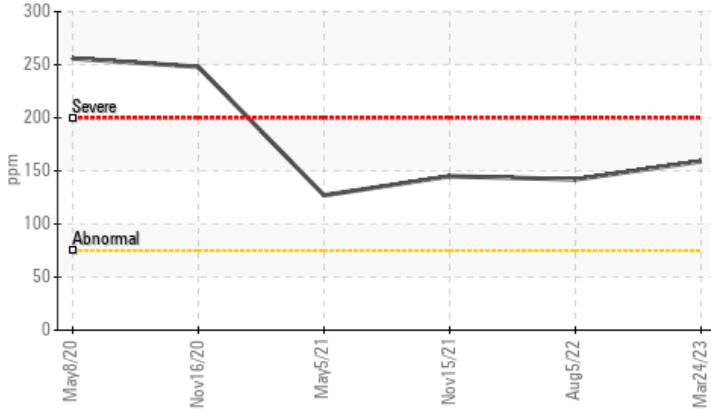
Sample Rating Trend



Machine Id  
**VOLVO 26308 (S/N 4V4MC9EG4FN930308)**  
 Component  
**Front Differential**  
 Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)**

## 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
	▲ 159	▲ 142	▲ 145

Customer Id: PERBRIDE  
 Sample No.: PCA0092270  
 Lab Number: 05931087  
 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

### 05 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



### 15 Nov 2021 Diag: Aaron Black

DIRT



We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of dirt present in the oil. The oil is no longer serviceable due to the presence of contaminants.

view report



### 05 May 2021 Diag: Don Baldrige

DIRT



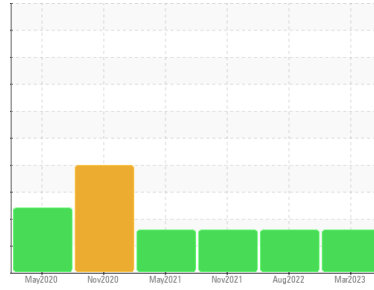
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**VOLVO 26308 (S/N 4V4MC9EG4FN930308)**

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

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	<b>PCA0092270</b>	PCA0076507	PCA0061644
Sample Date	Client Info	<b>24 Mar 2023</b>	05 Aug 2022	15 Nov 2021
Machine Age	mls	Client Info	420964	403799
Oil Age	mls	Client Info	420964	0
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>416</b>	442	355
Chromium	ppm ASTM D5185m >10	<b>4</b>	3	3
Nickel	ppm ASTM D5185m >10	<b>2</b>	0	<1
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>5</b>	6	6
Lead	ppm ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm ASTM D5185m >100	<b>3</b>	3	3
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	0	0
Antimony	ppm ASTM D5185m >5	<b>---</b>	---	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>176</b>	179	167
Barium	ppm ASTM D5185m <1	<b>0</b>	3	<1
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	0	<1
Manganese	ppm ASTM D5185m	<b>11</b>	10	9
Magnesium	ppm ASTM D5185m <1	<b>&lt;1</b>	<1	2
Calcium	ppm ASTM D5185m	<b>12</b>	0	12
Phosphorus	ppm ASTM D5185m 1355	<b>1477</b>	1404	1354
Zinc	ppm ASTM D5185m	<b>36</b>	32	31
Sulfur	ppm ASTM D5185m 22698	<b>28920</b>	28299	23341

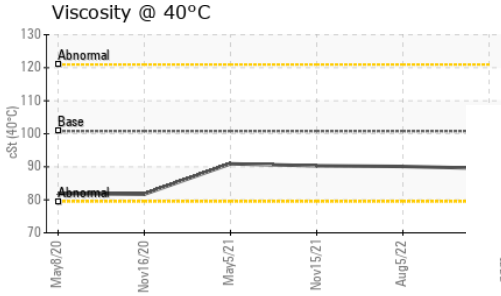
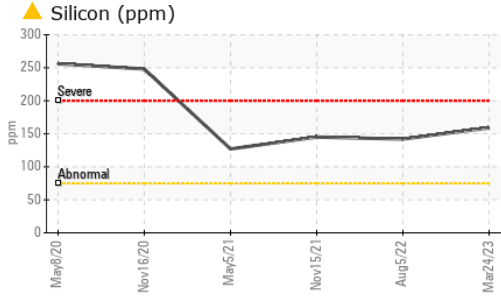
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>▲ 159</b>	▲ 142	▲ 145
Sodium	ppm ASTM D5185m	<b>14</b>	13	13
Potassium	ppm ASTM D5185m >20	<b>7</b>	4	4

## 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

# OIL ANALYSIS REPORT

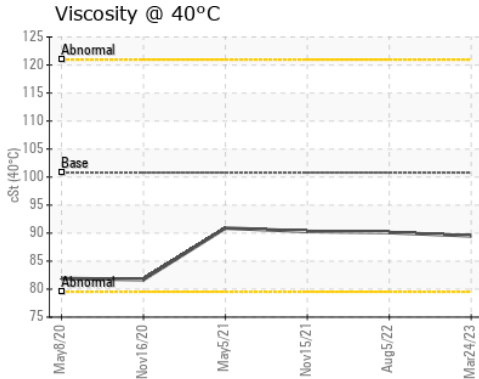
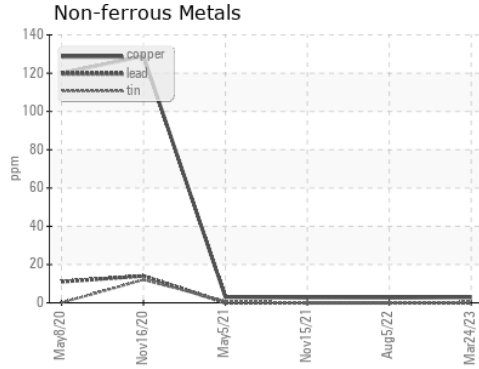
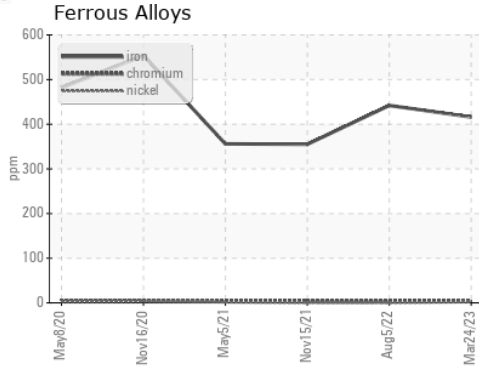


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.8	<b>89.5</b>	90.1	90.3

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.** : PCA0092270 **Received** : 22 Aug 2023  
**Lab Number** : **05931087** **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616358 **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: