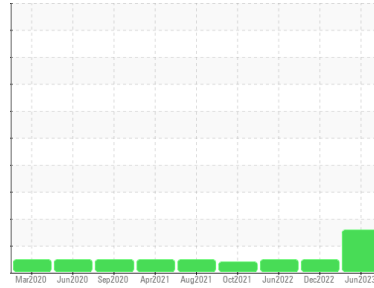


# PROBLEM SUMMARY

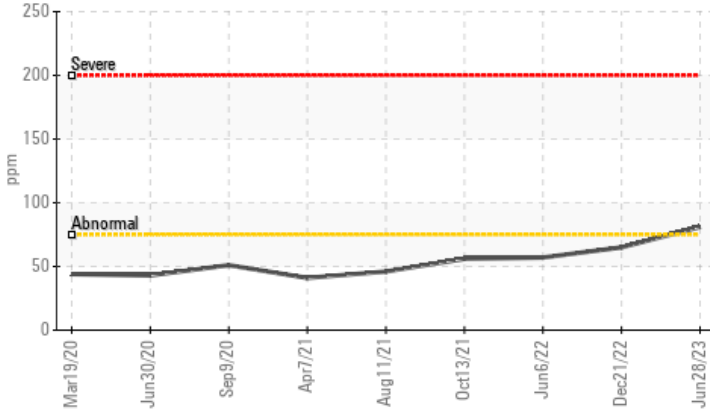
Machine Id  
**VOLVO VN12 26594 (S/N 4V4WC9EH1JN598492)**  
 Component  
**Front Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)**

Sample Rating Trend



## 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	NORMAL	NORMAL
Silicon	ppm	ASTM D5185m	>75	▲ 81	65	57

Customer Id: PERBRIDE  
 Sample No.: PCA0100532  
 Lab Number: 05931071  
 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

**21 Dec 2022 Diag: Don Baldrige**

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



**06 Jun 2022 Diag: Don Baldrige**

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. 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 2021 Diag: Don Baldrige**

VIS DEBRIS



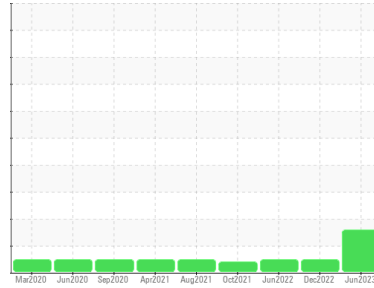
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

view report



# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**VOLVO VN12 26594 (S/N 4V4WC9EH1JN598492)**  
 Component  
**Front Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- 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 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>PCA0100532</b>	PCA0085280	PCA0075638
Sample Date	Client Info	<b>28 Jun 2023</b>	21 Dec 2022	06 Jun 2022
Machine Age	mls	Client Info	439639	387466
Oil Age	mls	Client Info	439639	387466
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>ABNORMAL</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	<b>454</b>	382	343
Chromium	ppm ASTM D5185m >10	<b>3</b>	3	2
Nickel	ppm ASTM D5185m >10	<b>11</b>	10	8
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>	8	7
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>0</b>	0	<1
Antimony	ppm ASTM D5185m >5	<b>---</b>	---	---
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>&lt;1</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 328	<b>180</b>	160	217
Barium	ppm ASTM D5185m 1	<b>2</b>	0	6
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>13</b>	11	10
Magnesium	ppm ASTM D5185m 1	<b>2</b>	4	2
Calcium	ppm ASTM D5185m 7	<b>17</b>	20	18
Phosphorus	ppm ASTM D5185m 1145	<b>1485</b>	1361	1366
Zinc	ppm ASTM D5185m 3	<b>30</b>	28	24
Sulfur	ppm ASTM D5185m 17909	<b>27424</b>	24136	27324

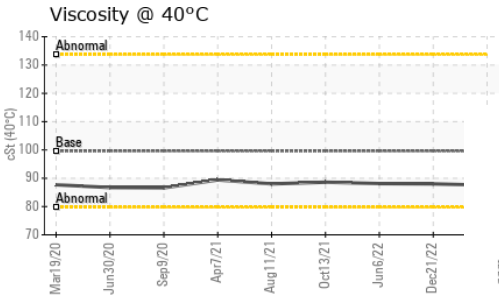
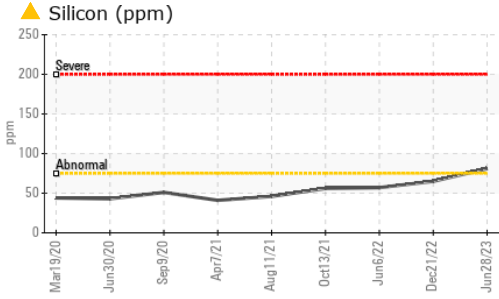
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>▲ 81</b>	65	57
Sodium	ppm ASTM D5185m	<b>22</b>	20	19
Potassium	ppm ASTM D5185m >20	<b>6</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

# OIL ANALYSIS REPORT



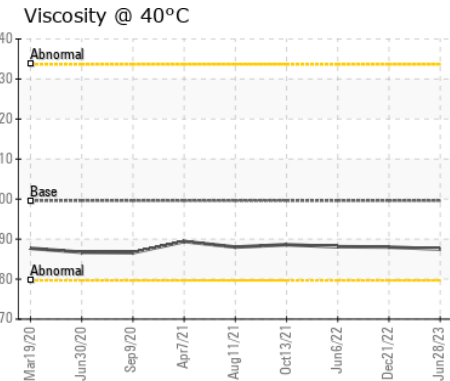
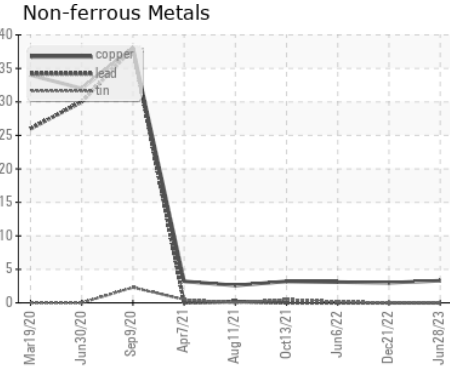
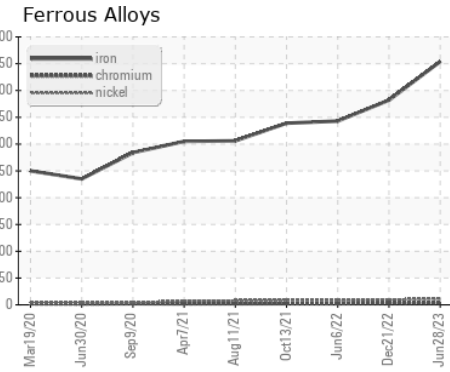
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	99.6	<b>87.5</b>	88.0	88.1

### 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.** : PCA0100532  
**Lab Number** : **05931071**  
**Unique Number** : 10616342  
**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: