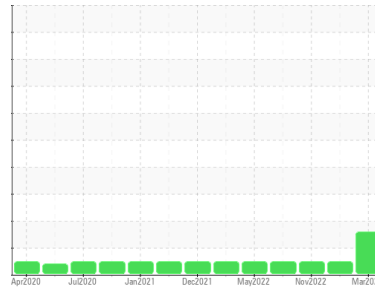


# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**Volvo Vnr 26665 (S/N 4V4WC9EH0RN218552)**  
 Component  
**Rear 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

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		<b>PCA0095522</b>	PCA0085284	PCA0081181
Sample Date	Client Info		<b>30 Mar 2023</b>	04 Jan 2023	10 Nov 2022
Machine Age	mls	Client Info	<b>438672</b>	414887	398428
Oil Age	mls	Client Info	<b>438672</b>	414887	22826
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>▲ 546</b>	249	234
Chromium	ppm	ASTM D5185m >10	<b>5</b>	3	2
Nickel	ppm	ASTM D5185m >10	<b>▲ 31</b>	15	17
Titanium	ppm	ASTM D5185m	<b>2</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>24</b>	10	9
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >100	<b>4</b>	2	3
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>324</b>	219	249
Barium	ppm	ASTM D5185m 1	<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>1</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>18</b>	12	13
Magnesium	ppm	ASTM D5185m 1	<b>9</b>	5	4
Calcium	ppm	ASTM D5185m 7	<b>26</b>	21	21
Phosphorus	ppm	ASTM D5185m 1145	<b>1606</b>	1361	1333
Zinc	ppm	ASTM D5185m 3	<b>38</b>	22	3
Sulfur	ppm	ASTM D5185m 17909	<b>27019</b>	23158	24724

## CONTAMINANTS

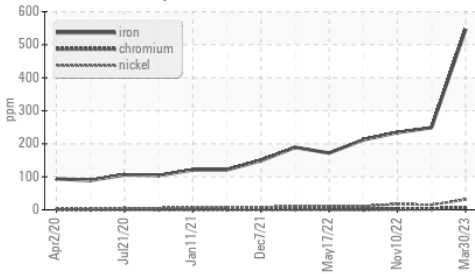
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>70</b>	36	40
Sodium	ppm	ASTM D5185m	<b>14</b>	10	11
Potassium	ppm	ASTM D5185m >20	<b>5</b>	2	1

## VISUAL

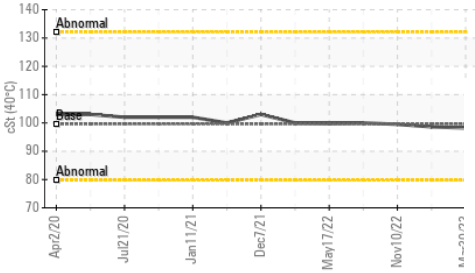
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>MODER</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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

### ▲ Ferrous Alloys



### Viscosity @ 40°C



### FLUID PROPERTIES

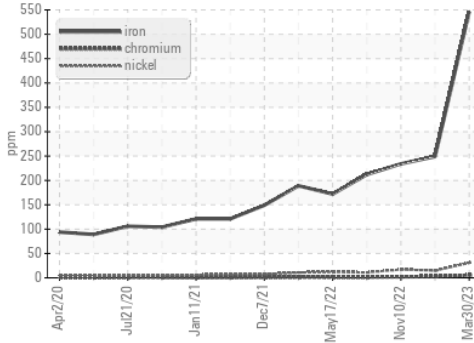
method	limit/base	current	history1	history2		
Visc @ 40°C	cSt	ASTM D445	99.6	<b>98.2</b>	98.6	99.5

### SAMPLE IMAGES

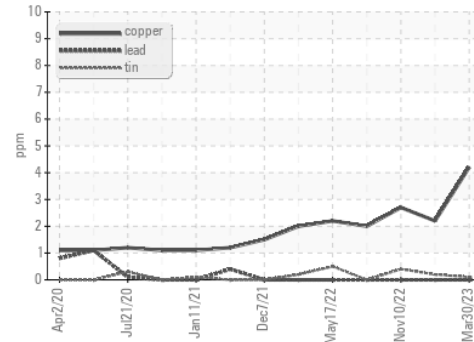
method	limit/base	current	history1	history2	
Color			no image	no image	no image
Bottom			no image	no image	no image

### GRAPHS

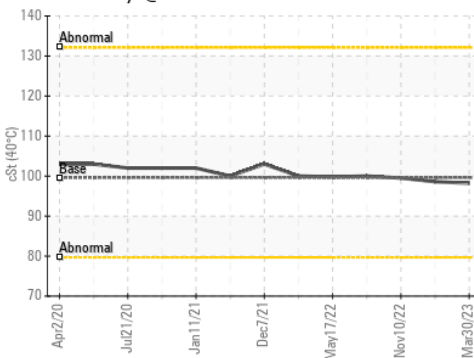
#### ▲ Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0095522  
**Lab Number** : 06174485  
**Unique Number** : 11020538  
**Test Package** : FLEET

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 13 May 2024 - Don Baldrige

**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: