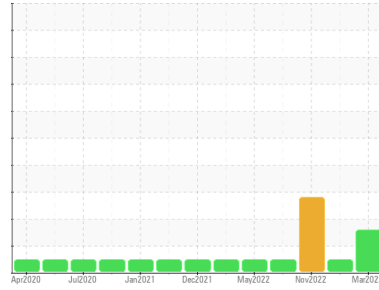


# OIL ANALYSIS REPORT

## Sample Rating Trend



**WEAR**



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

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>PCA0095520</b>	PCA0085283	PCA0081179	
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	398428
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd	
Sample Status		<b>ABNORMAL</b>	NORMAL	ATTENTION	

### 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>▲ 526</b>	239	91
Chromium	ppm ASTM D5185m >10	<b>5</b>	3	<1
Nickel	ppm ASTM D5185m >10	<b>▲ 30</b>	14	<1
Titanium	ppm ASTM D5185m	<b>2</b>	<1	<1
Silver	ppm ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >25	<b>22</b>	9	15
Lead	ppm ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm ASTM D5185m >100	<b>5</b>	2	<b>▲ 55</b>
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	0	<1
Vanadium	ppm ASTM D5185m	<b>&lt;1</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>304</b>	200	● 9
Barium	ppm ASTM D5185m 1	<b>3</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>&lt;1</b>	<1	1
Manganese	ppm ASTM D5185m	<b>17</b>	11	4
Magnesium	ppm ASTM D5185m 1	<b>8</b>	4	4
Calcium	ppm ASTM D5185m 7	<b>32</b>	18	● 703
Phosphorus	ppm ASTM D5185m 1145	<b>1513</b>	1290	● 550
Zinc	ppm ASTM D5185m 3	<b>39</b>	19	0
Sulfur	ppm ASTM D5185m 17909	<b>24795</b>	21082	● 4779

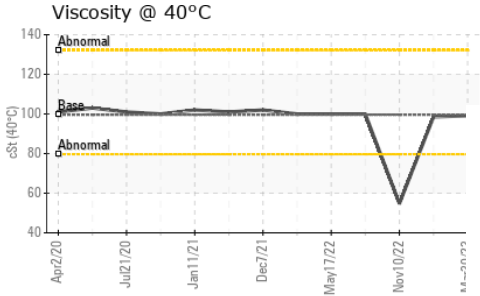
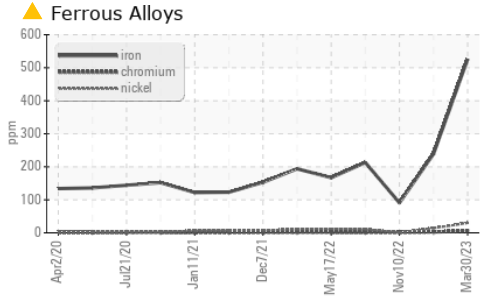
### CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>64</b>	34	37
Sodium	ppm ASTM D5185m	<b>13</b>	9	3
Potassium	ppm ASTM D5185m >20	<b>5</b>	2	0

### 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

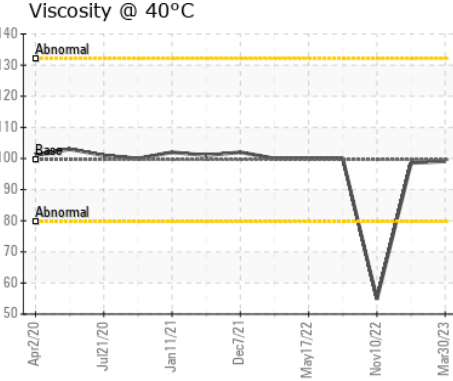
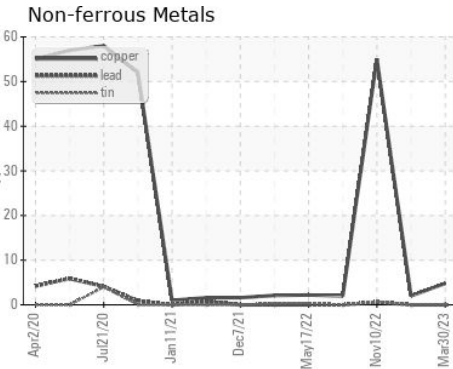
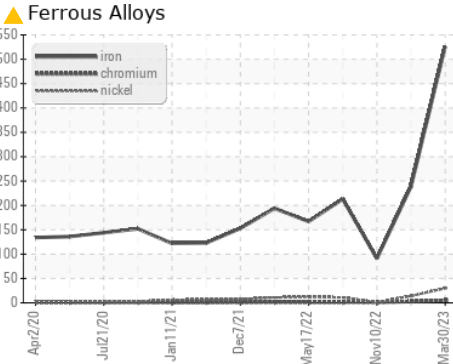


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	98.5	54.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0095520  
**Lab Number** : 06174520  
**Unique Number** : 11020573  
**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)