



WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

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

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0095529</b>	PCA0105549	PCA0100533
Sample Date		Client Info		<b>03 May 2024</b>	29 Sep 2023	28 Jun 2023
Machine Age	mls	Client Info		<b>0</b>	518714	495844
Oil Age	mls	Client Info		<b>15000</b>	518714	495844
Filter Age	mls	Client Info		<b>15000</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

The lead level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>428</b>	486	457
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	▲ 12	11
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>4</b>	9	8
Lead	ppm	ASTM D5185m	>25	▲ <b>51</b>	1	0
Copper	ppm	ASTM D5185m	>100	<b>43</b>	5	3
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

There is no indication of any contamination in the oil.

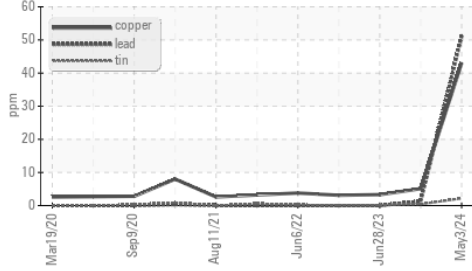
Silicon	ppm	ASTM D5185m	>75	<b>64</b>	▲ 89	▲ 83
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	8	6
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	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

**FLUID CONDITION**

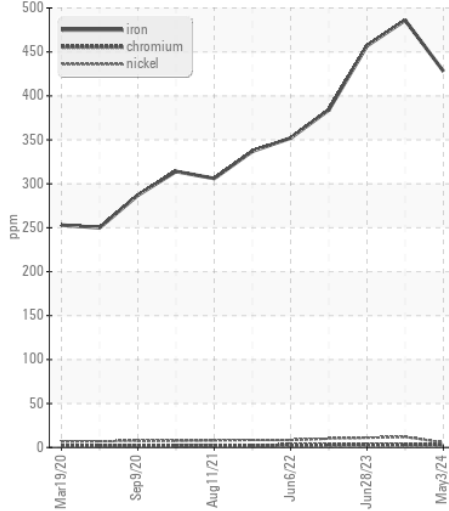
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>11</b>	22	22
Boron	ppm	ASTM D5185m	328	<b>173</b>	177	181
Barium	ppm	ASTM D5185m	1	<b>2</b>	9	2
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>13</b>	13	13
Magnesium	ppm	ASTM D5185m	1	<b>2</b>	5	2
Calcium	ppm	ASTM D5185m	7	<b>11</b>	21	17
Phosphorus	ppm	ASTM D5185m	1145	<b>1556</b>	1568	1476
Zinc	ppm	ASTM D5185m	3	<b>47</b>	36	30
Sulfur	ppm	ASTM D5185m	17909	<b>25889</b>	26641	28387
Visc @ 40°C	cSt	ASTM D445	99.6	<b>83.6</b>	87.7	87.2

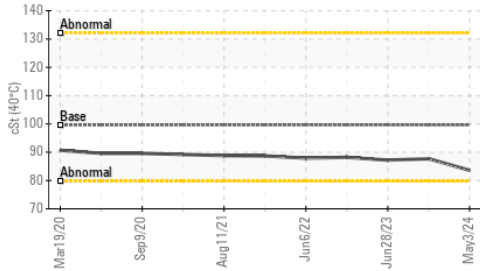
▲ Non-ferrous Metals



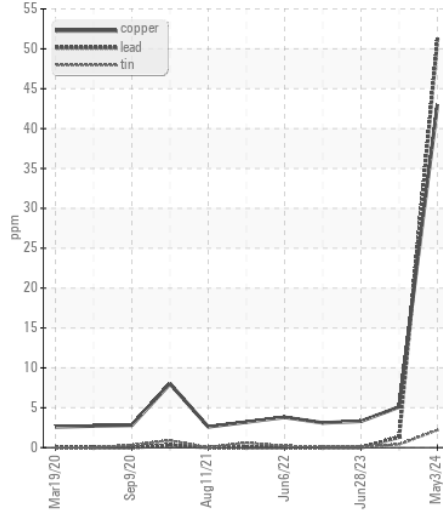
Ferrous Alloys



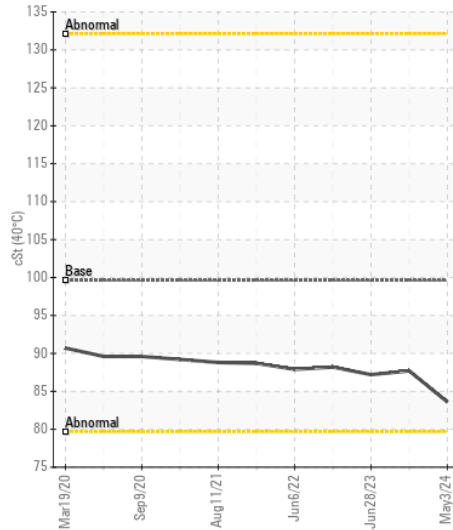
Viscosity @ 40°C



▲ Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : PCA0095529  
 Lab Number : 06174453  
 Unique Number : 11020506  
 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: