



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

Machine Id  
**VOLVO 26422**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)**

**RECOMMENDATION**

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0105542</b>	PCA0092267	PCA0079375
Sample Date		Client Info		<b>09 Oct 2023</b>	13 Mar 2023	25 Aug 2022
Machine Age	mls	Client Info		<b>582817</b>	532208	506715
Oil Age	mls	Client Info		<b>825001</b>	0	506715
Filter Age	mls	Client Info		<b>0</b>	0	506715
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	<b>▲ 632</b>	▲ 566	▲ 660
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	4	4
Nickel	ppm	ASTM D5185m	>10	<b>▲ 17</b>	▲ 14	▲ 13
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>13</b>	12	13
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>5</b>	3	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

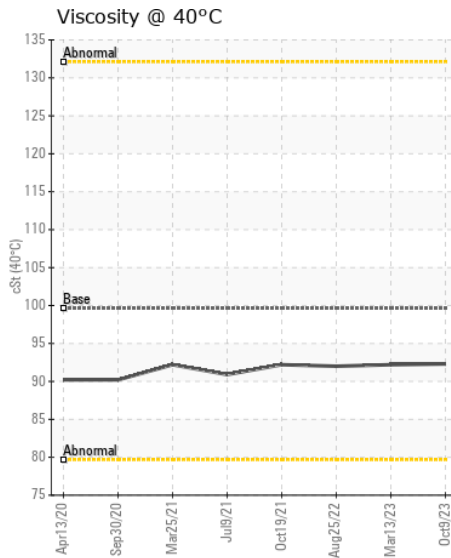
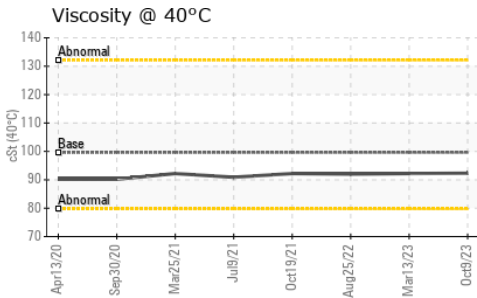
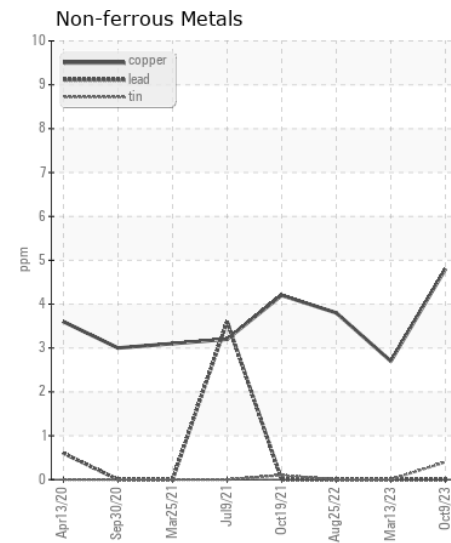
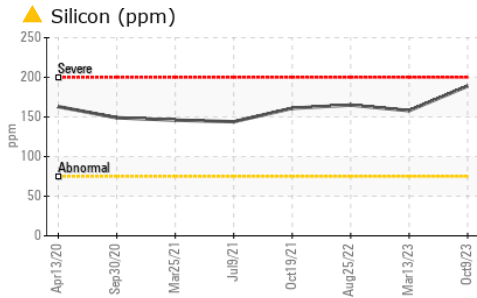
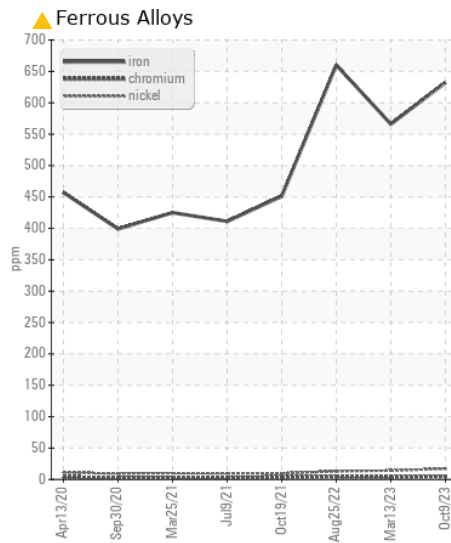
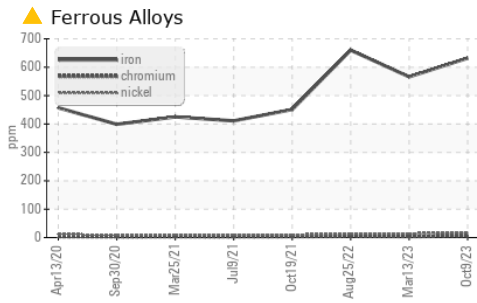
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 189</b>	▲ 158	▲ 165
Potassium	ppm	ASTM D5185m	>20	<b>11</b>	7	5
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>17</b>	15	15
Boron	ppm	ASTM D5185m	328	<b>187</b>	144	185
Barium	ppm	ASTM D5185m	1	<b>3</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>14</b>	12	13
Magnesium	ppm	ASTM D5185m	1	<b>9</b>	16	5
Calcium	ppm	ASTM D5185m	7	<b>25</b>	25	2
Phosphorus	ppm	ASTM D5185m	1145	<b>1541</b>	1312	1389
Zinc	ppm	ASTM D5185m	3	<b>50</b>	43	38
Sulfur	ppm	ASTM D5185m	17909	<b>26809</b>	25056	27825
Visc @ 40°C	cSt	ASTM D445	99.6	<b>92.3</b>	92.2	92.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0105542  
**Lab Number** : 06174494  
**Unique Number** : 11020547  
**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: