



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

Machine Id  
**VOLVO 26424**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- 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>PCA0106099</b>	PCA0089389	PCA0074370
Sample Date		Client Info		<b>07 Mar 2024</b>	31 Jan 2023	20 May 2022
Machine Age	mls	Client Info		<b>445614</b>	425250	403289
Oil Age	mls	Client Info		<b>445614</b>	425250	403289
Filter Age	mls	Client Info		<b>0</b>	0	403289
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>367</b>	434	374
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	3	3
Nickel	ppm	ASTM D5185m	>10	<b>12</b>	13	10
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	5	2
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>100	<b>4</b>	5	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
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**

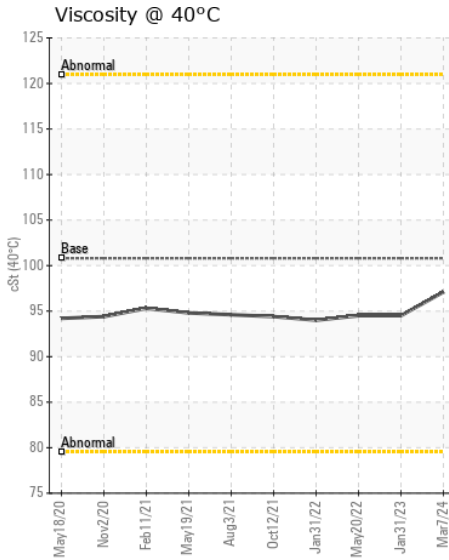
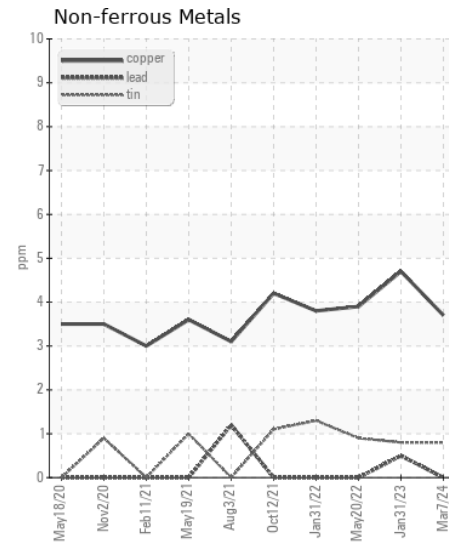
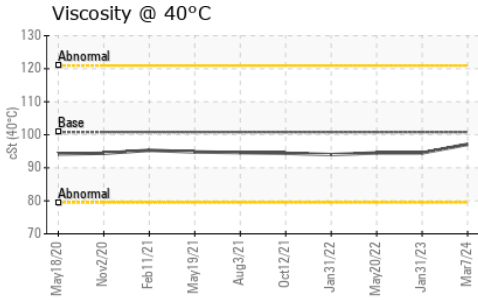
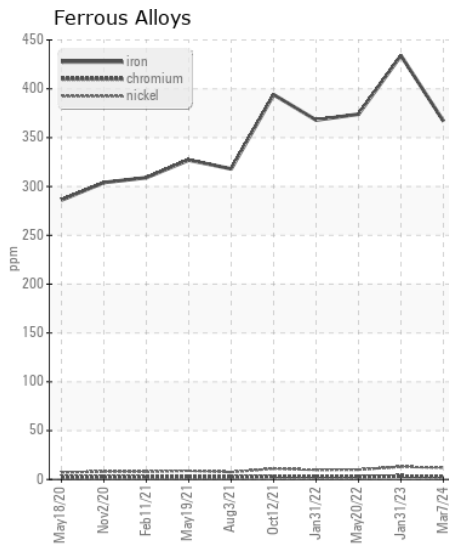
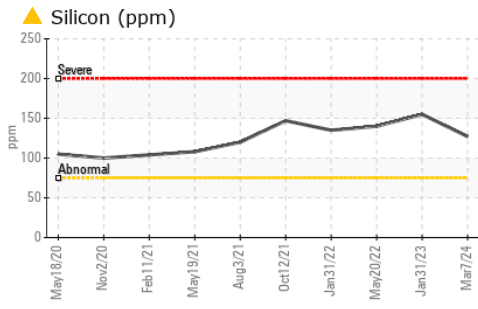
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 127</b>	▲ 155	▲ 140
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	8	4
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>	18	19
Boron	ppm	ASTM D5185m	229	<b>202</b>	135	162
Barium	ppm	ASTM D5185m	<1	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>8</b>	9	8
Magnesium	ppm	ASTM D5185m	<1	<b>4</b>	6	3
Calcium	ppm	ASTM D5185m		<b>15</b>	18	15
Phosphorus	ppm	ASTM D5185m	1355	<b>1555</b>	1400	1364
Zinc	ppm	ASTM D5185m		<b>26</b>	33	26
Sulfur	ppm	ASTM D5185m	22698	<b>27556</b>	24104	27426
Visc @ 40°C	cSt	ASTM D445	100.8	<b>97.1</b>	94.5	94.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106099 **Received** : 09 May 2024  
**Lab Number** : 06174465 **Tested** : 10 May 2024  
**Unique Number** : 11020518 **Diagnosed** : 13 May 2024 - Don Baldrige  
**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: