



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

Machine Id  
**Volvo 26558**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0116037</b>	PCA0099163	PCA0089380
Sample Date		Client Info		<b>24 Jan 2024</b>	23 May 2023	09 Feb 2023
Machine Age	mls	Client Info		<b>433227</b>	392039	375495
Oil Age	mls	Client Info		<b>433227</b>	392039	375495
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>319</b>	291	275
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>8</b>	7	7
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>4</b>	3	5
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>100	<b>4</b>	4	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**

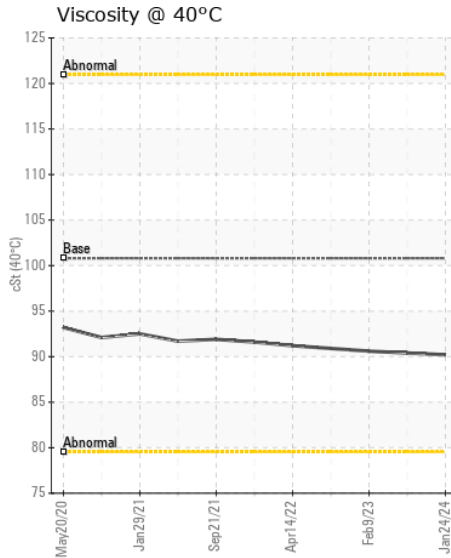
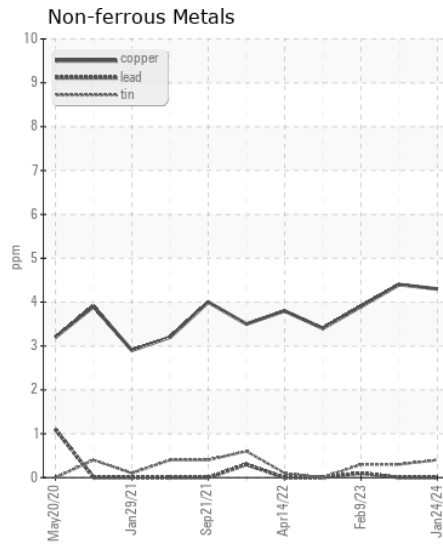
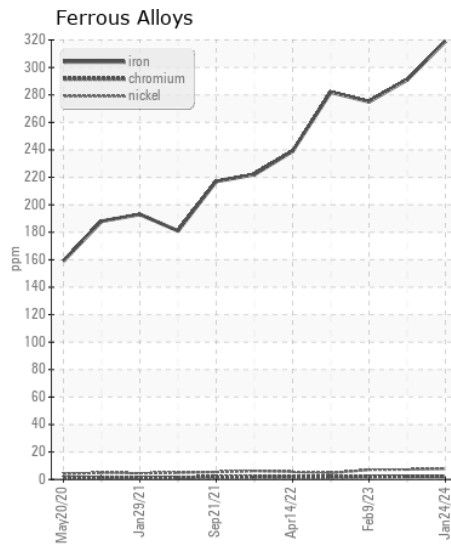
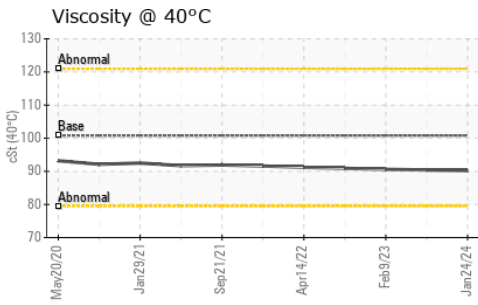
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>44</b>	44	38
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	4	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>9</b>	10	6
Boron	ppm	ASTM D5185m	229	<b>232</b>	255	212
Barium	ppm	ASTM D5185m	<1	<b>1</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>14</b>	14	13
Magnesium	ppm	ASTM D5185m	<1	<b>2</b>	0	4
Calcium	ppm	ASTM D5185m		<b>13</b>	9	15
Phosphorus	ppm	ASTM D5185m	1355	<b>1535</b>	1495	1428
Zinc	ppm	ASTM D5185m		<b>21</b>	18	21
Sulfur	ppm	ASTM D5185m	22698	<b>26654</b>	27520	24824
Visc @ 40°C	cSt	ASTM D445	100.8	<b>90.2</b>	90.4	90.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116037  
**Lab Number** : 06174492  
**Unique Number** : 11020545  
**Test Package** : FLEET

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 10 May 2024 - Wes Davis

**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: