



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

Machine Id  
**VOLVO 26465**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0116035</b>	PCA0085288	PCA0075623
Sample Date		Client Info		<b>14 Feb 2024</b>	27 Dec 2022	11 Jul 2022
Machine Age	mls	Client Info		<b>252695</b>	221946	206610
Oil Age	mls	Client Info		<b>252695</b>	221946	206610
Filter Age	mls	Client Info		<b>0</b>	0	206610
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>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>334</b>	285	309
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	4	2
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>	2	1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>5</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
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**

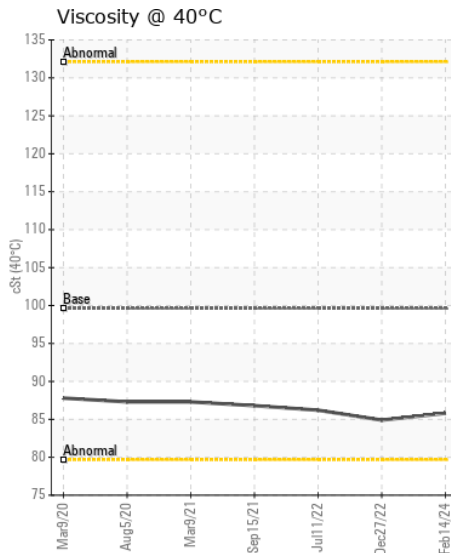
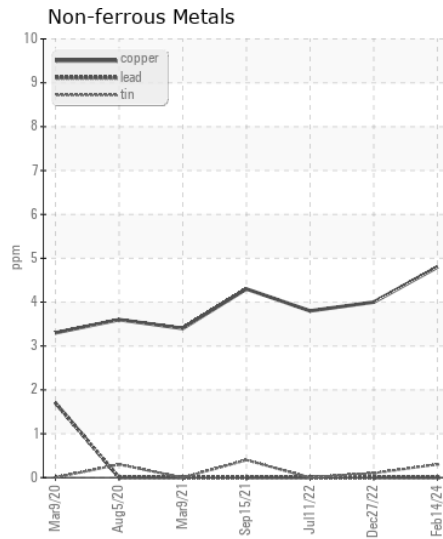
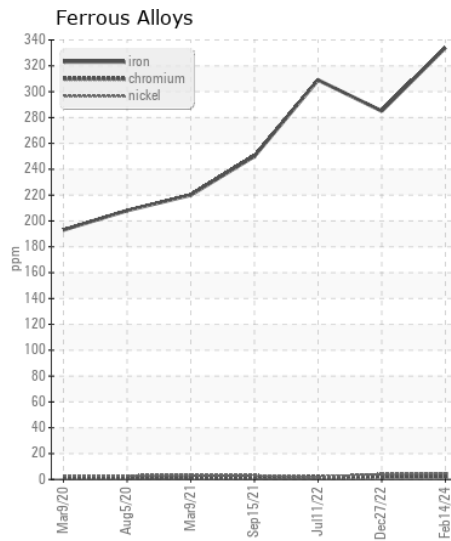
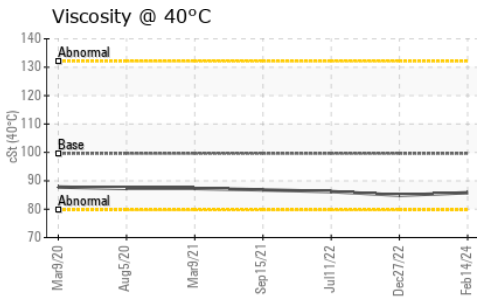
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>58</b>	34	32
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	7	4
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>	11	10
Boron	ppm	ASTM D5185m	328	<b>211</b>	191	235
Barium	ppm	ASTM D5185m	1	<b>2</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>10</b>	9	9
Magnesium	ppm	ASTM D5185m	1	<b>2</b>	2	0
Calcium	ppm	ASTM D5185m	7	<b>13</b>	12	0
Phosphorus	ppm	ASTM D5185m	1145	<b>1581</b>	1449	1527
Zinc	ppm	ASTM D5185m	3	<b>25</b>	23	19
Sulfur	ppm	ASTM D5185m	17909	<b>26760</b>	24751	30398
Visc @ 40°C	cSt	ASTM D445	99.6	<b>85.8</b>	84.9	86.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116035  
**Lab Number** : 06174495  
**Unique Number** : 11020548  
**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: