



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



Machine Id  
**VOLVO A35G 340049**  
Component  
**Bogie/Center Axle**  
Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ML0002167</b>	VCP214778	---
Sample Date		Client Info		<b>11 Jun 2024</b>	17 Feb 2018	---
Machine Age	hrs	Client Info		<b>9382</b>	4202	---
Oil Age	hrs	Client Info		<b>1031</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>26</b>	697	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	8	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	3	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	3	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>2</b>	28	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>4</b>	8	---
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

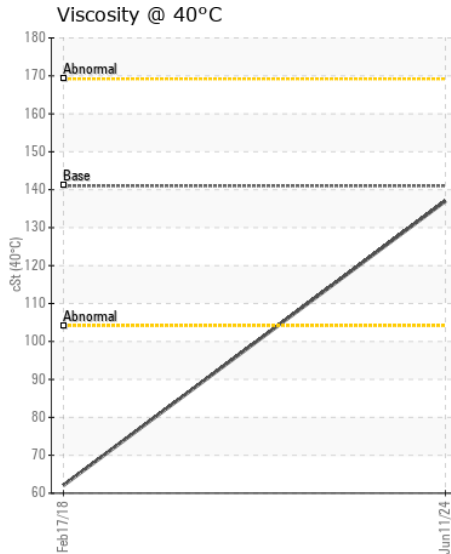
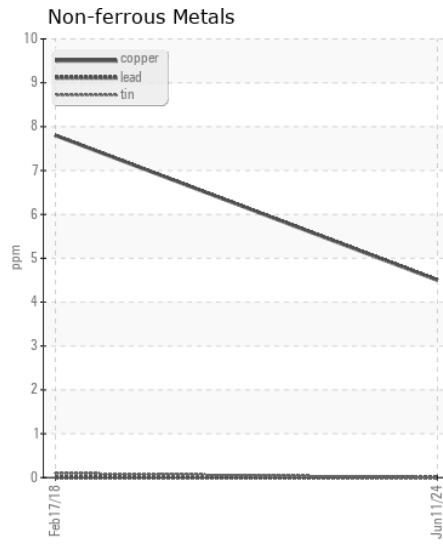
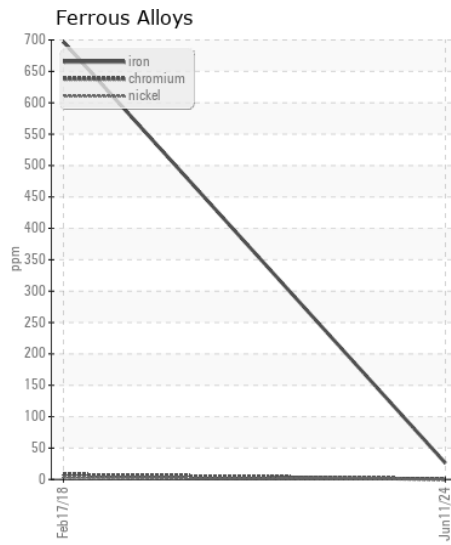
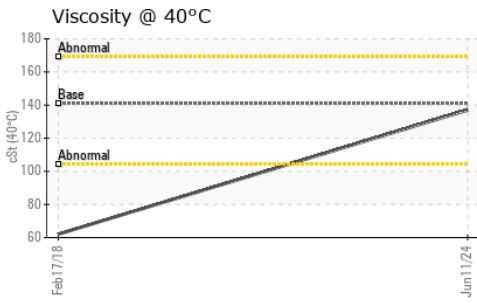
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>8</b>	40	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	5	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>0</b>	3	---
Boron	ppm	ASTM D5185m	243	<b>275</b>	138	---
Barium	ppm	ASTM D5185m	1	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	30	---
Manganese	ppm	ASTM D5185m		<b>2</b>	45	---
Magnesium	ppm	ASTM D5185m	2	<b>2</b>	1	---
Calcium	ppm	ASTM D5185m	6	<b>83</b>	34	---
Phosphorus	ppm	ASTM D5185m	987	<b>1116</b>	1433	---
Zinc	ppm	ASTM D5185m	1	<b>35</b>	70	---
Sulfur	ppm	ASTM D5185m	21530	<b>18461</b>	27386	---
Visc @ 40°C	cSt	ASTM D445	141.0	<b>137</b>	62.07	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002167  
**Lab Number** : 06216118  
**Unique Number** : 11088982  
**Test Package** : CONST

**Received** : 20 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 23 Jun 2024 - Don Baldrige

**NICHOLS EXCAVATION INC**  
 324 MARKUS CT  
 NEWARK, DE  
 US 19713  
 Contact: JEFF MOORE  
 jeffm@nicholsexcavation.com  
 T: (302)275-8818  
 F:

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)