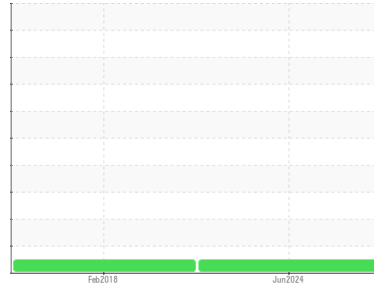


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[NICHOLS EXC]**  
 Machine Id  
**VOLVO A35G 340049**  
 Component  
**Front Axle**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>ML0002170</b>	VCP215393	---
Sample Date	Client Info		<b>11 Jun 2024</b>	17 Feb 2018	---
Machine Age	hrs	Client Info	<b>6382</b>	4202	---
Oil Age	hrs	Client Info	<b>1031</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >900	<b>70</b>	224	---
Chromium	ppm	ASTM D5185m >20	<b>1</b>	4	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >30	<b>2</b>	4	---
Lead	ppm	ASTM D5185m >50	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >150	<b>&lt;1</b>	4	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m >5	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 243	<b>287</b>	183	---
Barium	ppm	ASTM D5185m 1	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	14	---
Manganese	ppm	ASTM D5185m	<b>1</b>	18	---
Magnesium	ppm	ASTM D5185m 2	<b>1</b>	<1	---
Calcium	ppm	ASTM D5185m 6	<b>0</b>	23	---
Phosphorus	ppm	ASTM D5185m 987	<b>1132</b>	1471	---
Zinc	ppm	ASTM D5185m 1	<b>4</b>	21	---
Sulfur	ppm	ASTM D5185m 21530	<b>19392</b>	28640	---

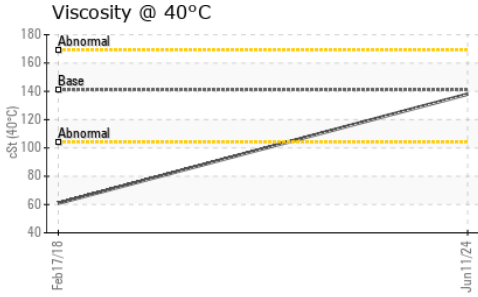
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>23</b>	1	---
Sodium	ppm	ASTM D5185m	<b>0</b>	2	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	2	---

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
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	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

# OIL ANALYSIS REPORT

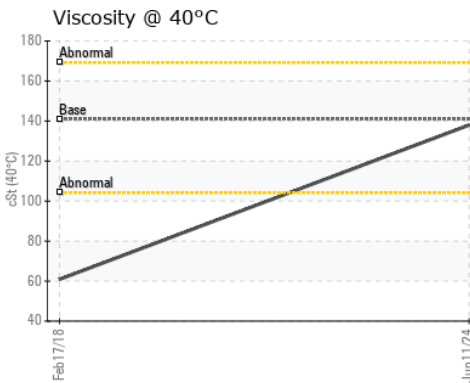
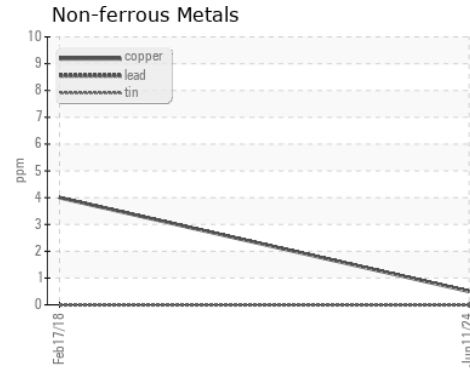
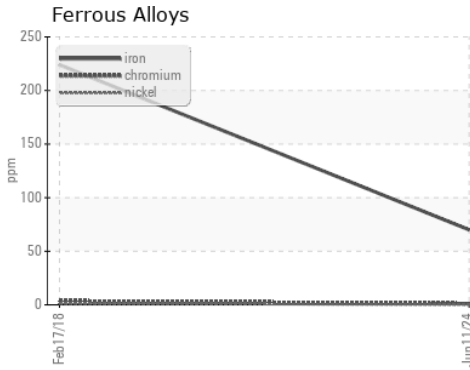


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	141.0	<b>138</b>	60.88	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002170  
**Lab Number** : 06216120  
**Unique Number** : 11088984  
**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)