



# ASCENDUM

## OIL ANALYSIS REPORT

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



Area

**Joshua Campbell**

Machine Id

**VOLVO A45G 342716**

Component

**Drop Box**

Fluid

**VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0009774</b>	VCP348396	VCP310434
Sample Date		Client Info		<b>17 Jun 2024</b>	08 Feb 2022	09 Apr 2021
Machine Age	hrs	Client Info		<b>11045</b>	6064	3963
Oil Age	hrs	Client Info		<b>4981</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>181</b>	209	143
Chromium	ppm	ASTM D5185m	>20	<b>3</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>30	<b>19</b>	7	21
Lead	ppm	ASTM D5185m	>30	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>30	<b>3</b>	2	4
Tin	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

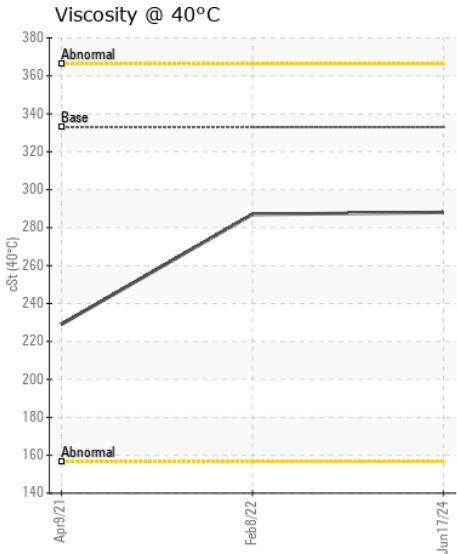
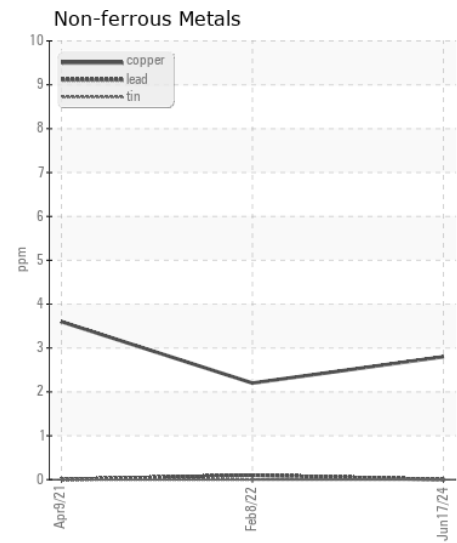
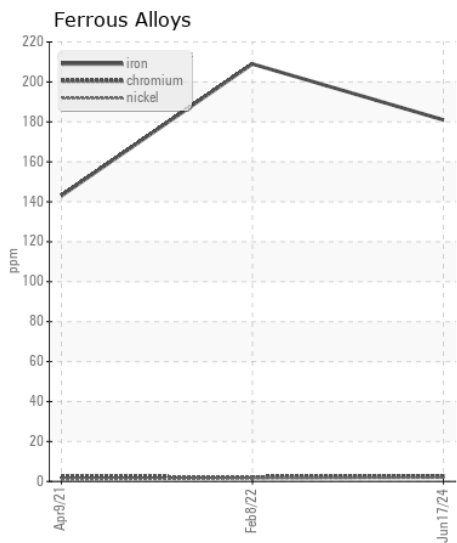
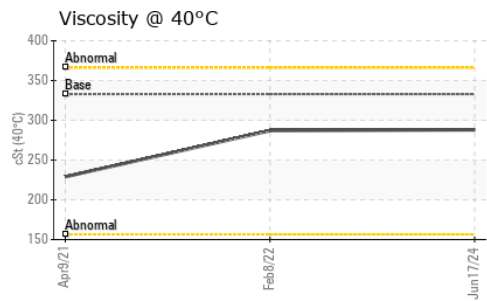
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>6</b>	6	14
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	<1	4
Boron	ppm	ASTM D5185m	111	<b>186</b>	189	208
Barium	ppm	ASTM D5185m	0.0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.9	<b>13</b>	4	11
Manganese	ppm	ASTM D5185m	0.0	<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m	39	<b>40</b>	4	8
Calcium	ppm	ASTM D5185m	93	<b>114</b>	68	46
Phosphorus	ppm	ASTM D5185m	920	<b>1064</b>	1030	1227
Zinc	ppm	ASTM D5185m	104	<b>88</b>	43	81
Sulfur	ppm	ASTM D5185m	20179	<b>22544</b>	20237	24792
Visc @ 40°C	cSt	ASTM D445	333	<b>288</b>	287	229



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009774 **Received** : 21 Jun 2024  
**Lab Number** : 06217168 **Tested** : 24 Jun 2024  
**Unique Number** : 11090032 **Diagnosed** : 24 Jun 2024 - Wes Davis  
**Test Package** : CONST

**JOSHUA CAMPBELL**  
 4317 EASY ST  
 CHARLOTTE, NC  
 US 28269  
 Contact: JOSH CAMPBELL  
 josh@clt-realty.com  
 T: (704)621-9092  
 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)