



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A30G 752490**  
Component  
**Rear Axle**  
Fluid  
**VOLVO SUPER GEAR OIL 75W-80-GO102 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0009758</b>	ASC0007574	VCP377851
Sample Date		Client Info		<b>22 Jun 2024</b>	07 Mar 2024	09 Jun 2022
Machine Age	hrs	Client Info		<b>2602</b>	2602	1316
Oil Age	hrs	Client Info		<b>2602</b>	2602	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>174</b>	138	480
Chromium	ppm	ASTM D5185m	>20	<b>3</b>	2	11
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	3
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>150	<b>14</b>	11	28
Tin	ppm	ASTM D5185m	>20	<b>0</b>	<1	2
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

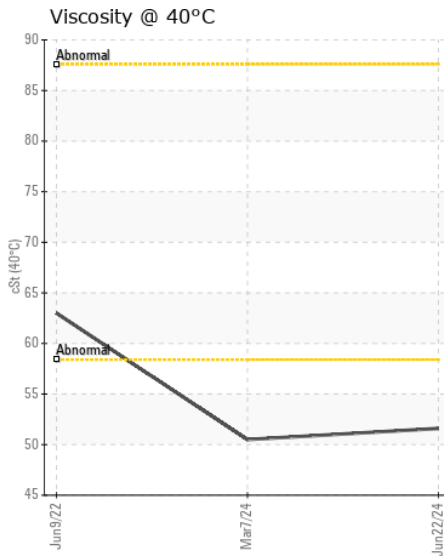
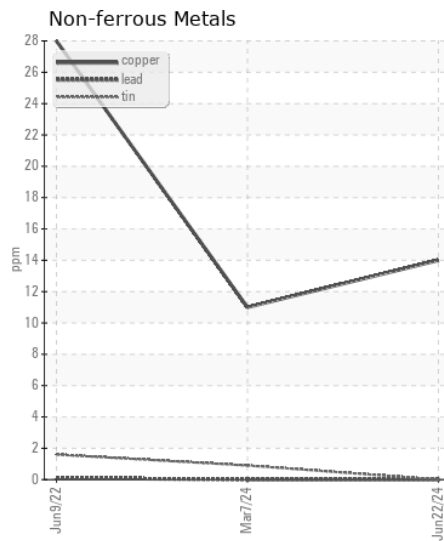
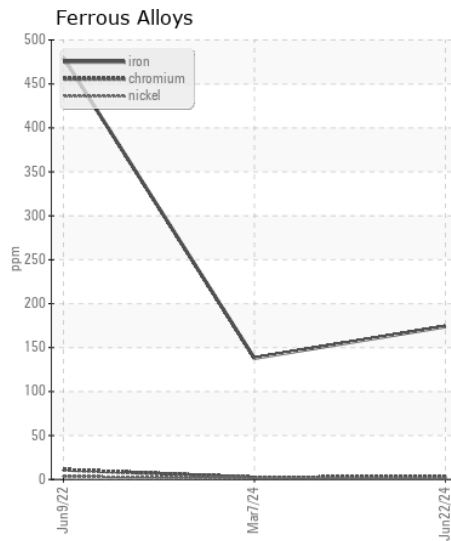
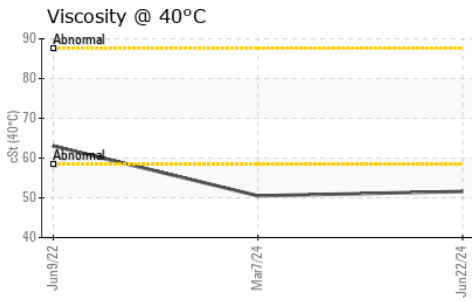
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>2</b>	2	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	6
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>	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	>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>2</b>	2	<1
Boron	ppm	ASTM D5185m		<b>158</b>	153	61
Barium	ppm	ASTM D5185m		<b>1</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>7</b>	5	15
Manganese	ppm	ASTM D5185m		<b>5</b>	4	16
Magnesium	ppm	ASTM D5185m		<b>13</b>	17	2
Calcium	ppm	ASTM D5185m		<b>241</b>	225	926
Phosphorus	ppm	ASTM D5185m		<b>1841</b>	1800	624
Zinc	ppm	ASTM D5185m		<b>221</b>	211	681
Sulfur	ppm	ASTM D5185m		<b>23119</b>	19743	4288
Visc @ 40°C	cSt	ASTM D445		<b>51.6</b>	50.5	63.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0009758  
**Lab Number** : 06221661  
**Unique Number** : 11099858  
**Test Package** : CONST

**Received** : 26 Jun 2024  
**Tested** : 27 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Wes Davis

**114 - ASCENDUM MACHINERY INC - CONCORD**  
 1025 INTERNATIONAL DR NW  
 CONCORD, NC  
 US 28027  
 Contact: JEFF WILBANKS  
 jeff.wilbanks@ascendummachinery.com  
 T: (704)599-8179  
 F: (704)596-1362

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)