



# ASCENDUM

## OIL ANALYSIS REPORT

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



Area  
**[MMA FUQUAY]**  
Machine Id  
**VOLVO A40G 340791**  
Component  
**Drop Box**  
Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASC0011222</b>	ASC0010410	VCP377403
Sample Date		Client Info		<b>07 Jun 2024</b>	19 Mar 2024	03 Jun 2022
Machine Age	hrs	Client Info		<b>11271</b>	10956	10416
Oil Age	hrs	Client Info		<b>0</b>	9003	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</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>230</b>	195	133
Chromium	ppm	ASTM D5185m	>20	<b>3</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>30	<b>3</b>	4	4
Lead	ppm	ASTM D5185m	>30	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>30	<b>1</b>	0	<1
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</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

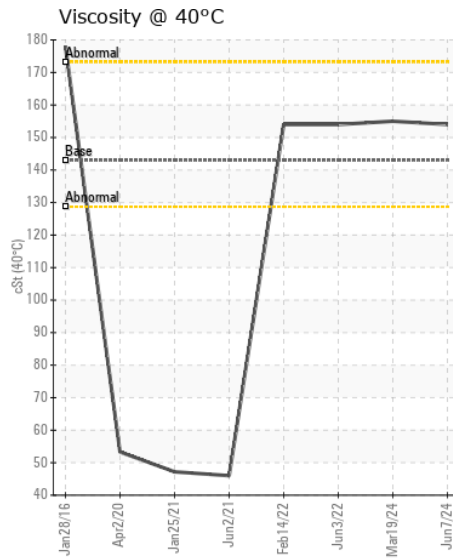
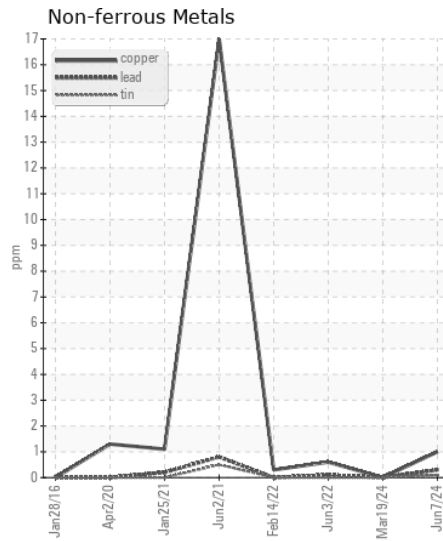
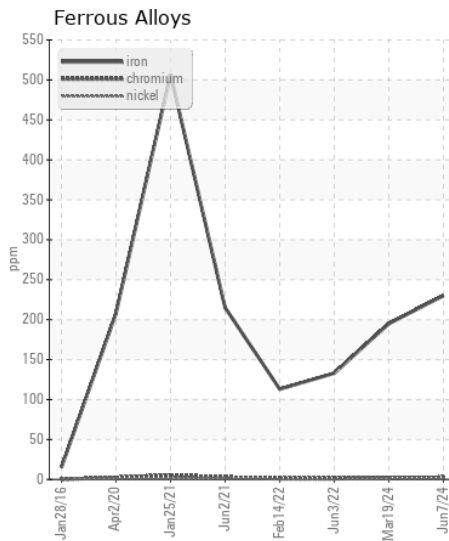
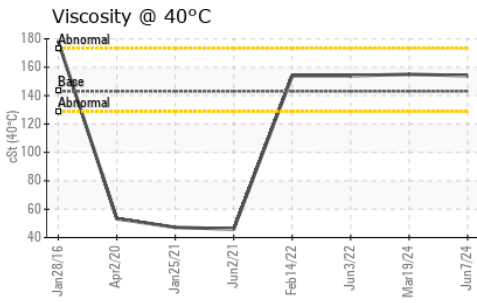
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>19</b>	22	20
Potassium	ppm	ASTM D5185m	>20	<b>29</b>	29	23
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	>170	<b>3</b>	6	2
Boron	ppm	ASTM D5185m	400	<b>241</b>	224	170
Barium	ppm	ASTM D5185m	200	<b>1</b>	0	3
Molybdenum	ppm	ASTM D5185m	12	<b>10</b>	9	4
Manganese	ppm	ASTM D5185m		<b>4</b>	4	3
Magnesium	ppm	ASTM D5185m	12	<b>10</b>	10	9
Calcium	ppm	ASTM D5185m	150	<b>88</b>	82	87
Phosphorus	ppm	ASTM D5185m	1650	<b>1832</b>	1982	1873
Zinc	ppm	ASTM D5185m	125	<b>78</b>	67	69
Sulfur	ppm	ASTM D5185m	22500	<b>24173</b>	27386	21748
Visc @ 40°C	cSt	ASTM D445	143	<b>154</b>	155	154



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0011222  
**Lab Number** : 06210570  
**Unique Number** : 11083434  
**Test Package** : CONST

**Received** : 14 Jun 2024  
**Tested** : 17 Jun 2024  
**Diagnosed** : 17 Jun 2024 - Wes Davis

**113 - ASCENDUM MACHINERY INC - GARNER**  
 3561 JONES SAUSAGE ROAD  
 GARNER, NC  
 US 27529

Contact: TRENT BROADWELL  
 trent.broadwell@ascendummachinery.com

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)

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