



# ASCENDUM

## OIL ANALYSIS REPORT

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



Machine Id  
**VOLVO A30G 753148**  
Component  
**Bogie/Center 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>ASC0010890</b>	VCP425647	---
Sample Date		Client Info		<b>14 Jun 2024</b>	07 Aug 2023	---
Machine Age	hrs	Client Info		<b>2178</b>	592	---
Oil Age	hrs	Client Info		<b>2178</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>323</b>	302	---
Chromium	ppm	ASTM D5185m	>20	<b>6</b>	7	---
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	3	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>30	<b>3</b>	1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>150	<b>32</b>	24	---
Tin	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

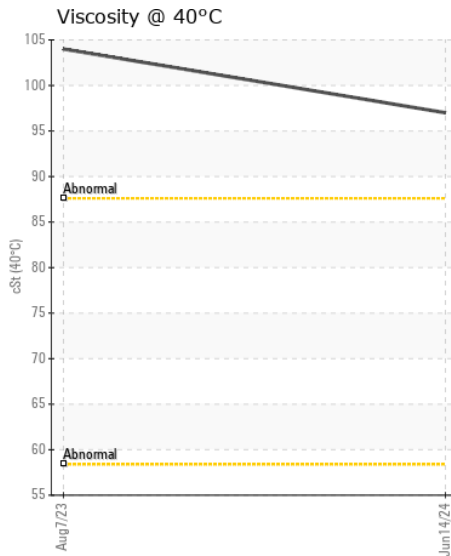
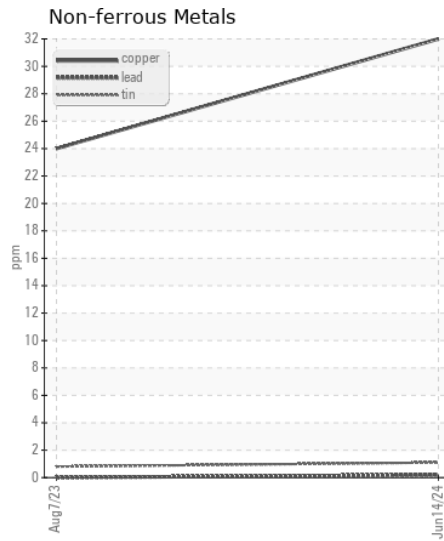
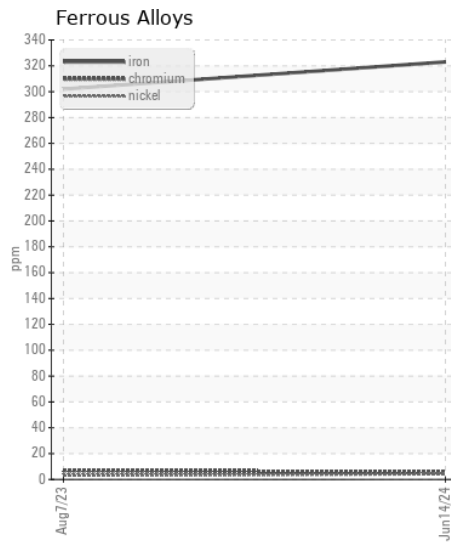
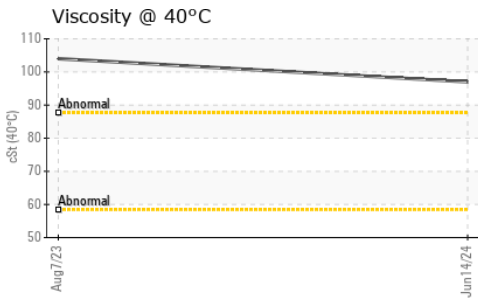
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>5</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</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>2</b>	2	---
Boron	ppm	ASTM D5185m		<b>253</b>	350	---
Barium	ppm	ASTM D5185m		<b>4</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>12</b>	8	---
Manganese	ppm	ASTM D5185m		<b>11</b>	13	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	1	---
Calcium	ppm	ASTM D5185m		<b>157</b>	179	---
Phosphorus	ppm	ASTM D5185m		<b>1434</b>	1583	---
Zinc	ppm	ASTM D5185m		<b>83</b>	87	---
Sulfur	ppm	ASTM D5185m		<b>25916</b>	29907	---
Visc @ 40°C	cSt	ASTM D445		<b>97.0</b>	104	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ASC0010890  
**Lab Number** : 06222667  
**Unique Number** : 11100864  
**Test Package** : CONST

**Received** : 27 Jun 2024  
**Tested** : 01 Jul 2024  
**Diagnosed** : 01 Jul 2024 - Jonathan Hester

**CW MATTHEWS**  
 1600 KENVIEW DRIVE  
 MARIETTA, GA  
 US 30060  
 Contact: JOHN FARESS  
 jfaress@cwmatthews.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)

T:  
F: