



# VOLVO

## OIL ANALYSIS REPORT

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



Area

**[687484]**

Machine Id

**VOLVO A30G 752866**

Component

**Bogie/Center Axle**

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>VCP440914</b>	VCP396839	VCP392609
Sample Date		Client Info		<b>15 Mar 2024</b>	05 Jul 2023	13 Feb 2023
Machine Age	hrs	Client Info		<b>2208</b>	1096	526
Oil Age	hrs	Client Info		<b>1500</b>	500	526
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	<b>208</b>	107	246
Chromium	ppm	ASTM D5185m	>20	<b>3</b>	2	5
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	1	3
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>30	<b>0</b>	1	<1
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>150	<b>9</b>	5	12
Tin	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

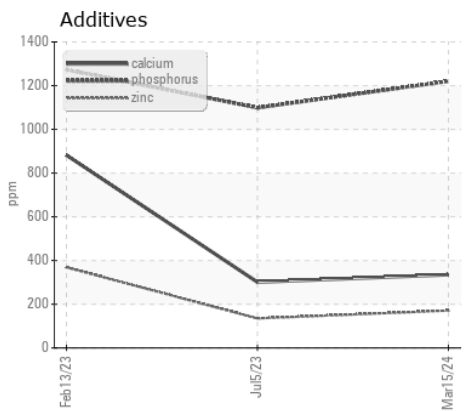
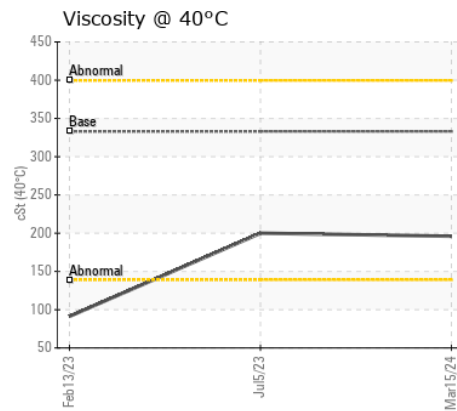
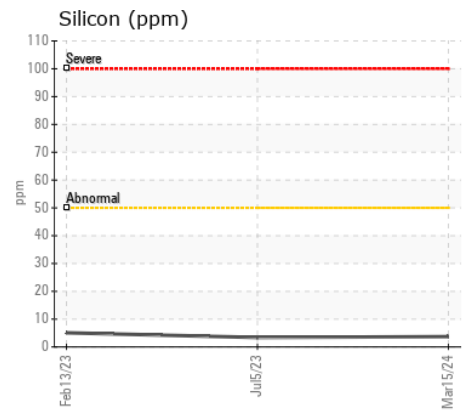
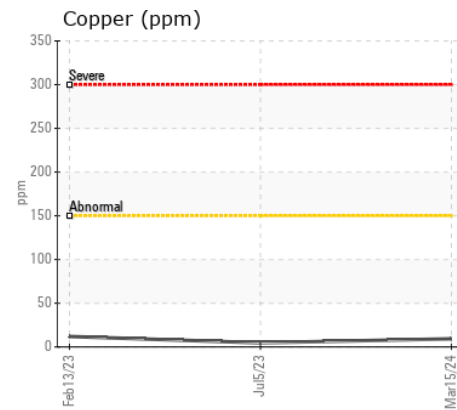
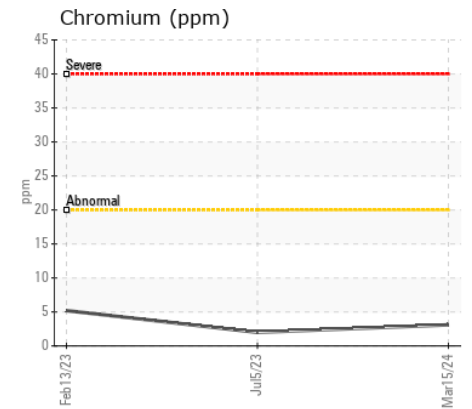
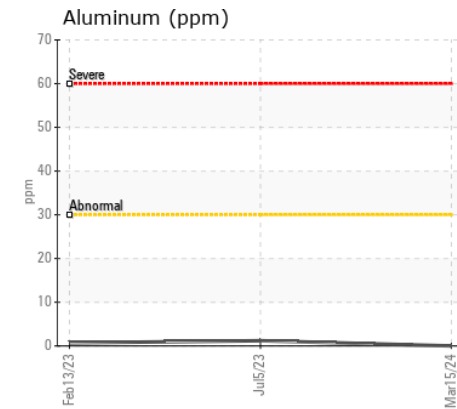
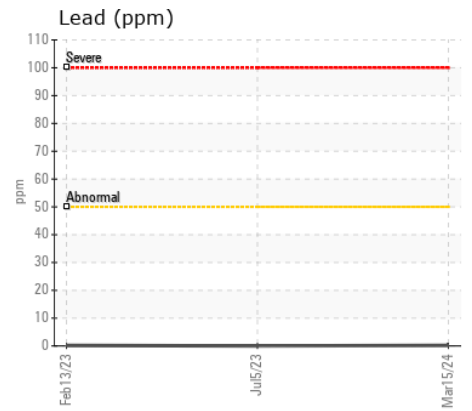
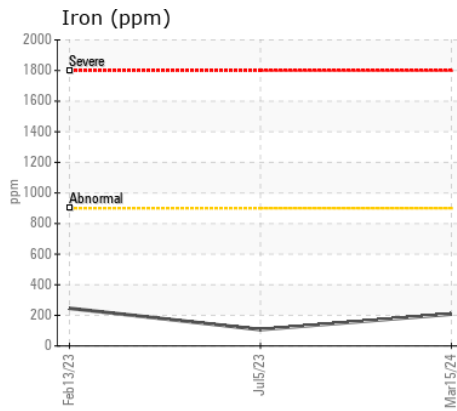
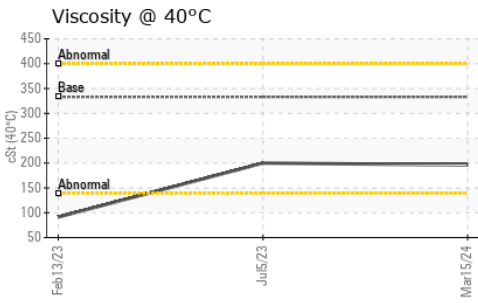
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>4</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	4
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>0</b>	<1	2
Boron	ppm	ASTM D5185m	111	<b>173</b>	184	266
Barium	ppm	ASTM D5185m	0.0	<b>2</b>	0	3
Molybdenum	ppm	ASTM D5185m	0.9	<b>6</b>	5	10
Manganese	ppm	ASTM D5185m	0.0	<b>5</b>	4	9
Magnesium	ppm	ASTM D5185m	39	<b>17</b>	15	3
Calcium	ppm	ASTM D5185m	93	<b>335</b>	301	882
Phosphorus	ppm	ASTM D5185m	920	<b>1220</b>	1099	1273
Zinc	ppm	ASTM D5185m	104	<b>171</b>	135	369
Sulfur	ppm	ASTM D5185m	20179	<b>32909</b>	30986	21441
Visc @ 40°C	cSt	ASTM D445	333	<b>196</b>	200	91.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : VCP440914

**Lab Number** : 06146227

**Unique Number** : 10976305

**Test Package** : MOB 1

**Received** : 11 Apr 2024

**Tested** : 12 Apr 2024

**Diagnosed** : 15 Apr 2024 - Don Baldrige

**RIPA AND ASSOCIATES**

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T:

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)