



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342608 - REAR AXLE



**Sample No:** VCP444703  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444703</b>	VCP416817	VCP331552	VCP405687
Sample Date	<b>29 Apr 2024</b>	13 Feb 2024	06 Nov 2023	21 Aug 2023
Machine Hours	<b>11934</b>	11353	10895	10330
Oil Hours	<b>1021</b>	458	1117	552
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	137	138	138
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	3	2
Sodium	ppm	<b>0</b>	<1	<1	0
Potassium	ppm	<b>&lt;1</b>	1	<1	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>34</b>	27	87	49
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>0</b>	<1	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	2	2	2
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	2	1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>206</b>	201	138	145
Magnesium	ppm	<b>9</b>	12	11	16
Zinc	ppm	<b>88</b>	85	69	57
Phosphorus	ppm	<b>1057</b>	949	981	1008
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>196</b>	174	174	225

**Depot:** SCHGRE  
**Unique No:** 11018997  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024

