



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342373 - FRONT AXLE



**Sample No:** VCP402911  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP402911</b>	VCP406611	VCP385098	VCP373706
Sample Date	<b>29 Aug 2023</b>	02 May 2023	13 Feb 2023	31 Oct 2022
Machine Hours	<b>11645</b>	10860	10345	9831
Oil Hours	<b>683</b>	1029	514	972
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>132</b>	132	131	134
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### CONTAMINATION

Silicon	ppm	<b>3</b>	3	3	4
Sodium	ppm	<b>0</b>	1	<1	<1
Potassium	ppm	<b>&lt;1</b>	0	0	0

### 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>48</b>	47	49	63
Copper	ppm	<b>0</b>	1	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>415</b>	395	419	436
Magnesium	ppm	<b>10</b>	9	12	2
Zinc	ppm	<b>139</b>	131	135	138
Phosphorus	ppm	<b>1013</b>	989	933	953
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>199</b>	150	177	158

**Depot:** SCHGRE  
**Unique No:** 10634501  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## VOLVO GRAPHS

