



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342658 - REAR AXLE



**Sample No:** VCP404646  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP404646</b>	VCP401036	VCP379394	VCP362778
Sample Date	<b>24 Aug 2023</b>	18 May 2023	16 Jan 2023	13 Oct 2022
Machine Hours	<b>9142</b>	8626	8074	7511
Oil Hours	<b>516</b>	1115	563	1021
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	138	139	137
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### CONTAMINATION

Silicon	ppm	<b>3</b>	34	2	2
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>0</b>	2	0	1

### WEAR METALS

Iron	ppm	<b>8</b>	67	8	11
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>	4	0	0
Chromium	ppm	<b>0</b>	<1	0	0
Molybdenum	ppm	<b>&lt;1</b>	1	1	1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>192</b>	141	136	158
Magnesium	ppm	<b>17</b>	12	10	7
Zinc	ppm	<b>73</b>	64	57	72
Phosphorus	ppm	<b>930</b>	1003	926	1002
Barium	ppm	<b>0</b>	0	0	1
Boron	ppm	<b>206</b>	189	185	175

### 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.

**Depot:** SCHGRE  
**Unique No:** 10634496  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## GRAPHS

