



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342658 - REAR AXLE



**Sample No:** VCP416943  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416943</b>	VCP331548	VCP404646	VCP401036
Sample Date	<b>13 Feb 2024</b>	06 Nov 2023	24 Aug 2023	18 May 2023
Machine Hours	<b>10200</b>	9682	9142	8626
Oil Hours	<b>518</b>	1056	516	1115
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>137</b>	135	138	138
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### CONTAMINATION

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

### 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>8</b>	6	8	67
Copper	ppm	<b>&lt;1</b>	<1	0	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	4
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>1</b>	1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>222</b>	236	192	141
Magnesium	ppm	<b>14</b>	13	17	12
Zinc	ppm	<b>96</b>	117	73	64
Phosphorus	ppm	<b>1049</b>	999	930	1003
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>181</b>	173	206	189

**Depot:** SCHGRE  
**Unique No:** 10898629  
**Signed:** Wes Davis  
**Report Date:** 27 Feb 2024



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## GRAPHS

