



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 340668 - REAR AXLE



**Sample No:** VCP416757  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416757</b>	VCP419853	VCP386555	VCP360980
Sample Date	<b>08 Feb 2024</b>	01 Aug 2023	28 Feb 2023	26 Oct 2022
Machine Hours	<b>17181</b>	16113	15032	14400
Oil Hours	<b>1068</b>	1081	1160	537
Oil Changed	<b>Changed</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	138	137	138
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	3	2	5
Sodium	ppm	<b>&lt;1</b>	0	<1	<1
Potassium	ppm	<b>1</b>	1	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>16</b>	16	21	16
Copper	ppm	<b>&lt;1</b>	0	0	0
Lead	ppm	<b>1</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>1</b>	1	<1	<1
Nickel	ppm	<b>&lt;1</b>	0	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	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>290</b>	138	185	181
Magnesium	ppm	<b>9</b>	13	8	0
Zinc	ppm	<b>119</b>	60	78	71
Phosphorus	ppm	<b>964</b>	998	994	1013
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>158</b>	214	175	175

**Depot:** SCHGRE  
**Unique No:** 10898634  
**Signed:** Wes Davis  
**Report Date:** 27 Feb 2024



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## GRAPHS

