



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 340668 - REAR AXLE



**Sample No:** VCP419853  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP419853</b>	VCP386555	VCP360980	VCP359517
Sample Date	<b>01 Aug 2023</b>	28 Feb 2023	26 Oct 2022	27 Jul 2022
Machine Hours	<b>16113</b>	15032	14400	13863
Oil Hours	<b>1081</b>	1160	537	1091
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	137	138	134
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### CONTAMINATION

Silicon	ppm	<b>3</b>	2	5	10
Sodium	ppm	<b>0</b>	<1	<1	1
Potassium	ppm	<b>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>16</b>	21	16	45
Copper	ppm	<b>0</b>	0	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	<1	2
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>1</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>138</b>	185	181	447
Magnesium	ppm	<b>13</b>	8	0	10
Zinc	ppm	<b>60</b>	78	71	205
Phosphorus	ppm	<b>998</b>	994	1013	998
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>214</b>	175	175	203

**Depot:** SCHGRE  
**Unique No:** 10617683  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## GRAPHS

