



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342608 - BOGIE/CENTER AXLE



**Sample No:** VCP331553  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP331553</b>	VCP405688	VCP395612	VCP379370
Sample Date	<b>06 Nov 2023</b>	21 Aug 2023	27 Apr 2023	17 Jan 2023
Machine Hours	<b>10895</b>	10330	9546	8851
Oil Hours	<b>1117</b>	552	1095	1246
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	137	138	136
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	4	5	3
Sodium	ppm	<b>&lt;1</b>	0	1	0
Potassium	ppm	<b>0</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>39</b>	22	13	41
Copper	ppm	<b>0</b>	0	1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	2	<1
Nickel	ppm	<b>0</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	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>142</b>	139	140	166
Magnesium	ppm	<b>12</b>	15	16	6
Zinc	ppm	<b>70</b>	52	55	67
Phosphorus	ppm	<b>998</b>	933	975	954
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>174</b>	209	163	180

**Depot:** SCHGRE  
**Unique No:** 10755954  
**Signed:** Wes Davis  
**Report Date:** 27 Nov 2023

