



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352341 - REAR AXLE



**Sample No:** VCP339711  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP339711</b>	VCP405982	VCP362773	VCP378246
Sample Date	<b>07 Nov 2023</b>	24 Aug 2023	07 Mar 2023	16 Jan 2023
Machine Hours	<b>6865</b>	6283	5114	4807
Oil Hours	<b>582</b>	1169	1097	790
Oil Changed	<b>Not Changd</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>140</b>	139	129	130
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	1	1	2
Sodium	ppm	<b>&lt;1</b>	0	<1	0
Potassium	ppm	<b>0</b>	<1	<1	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>5</b>	14	29	72
Copper	ppm	<b>0</b>	0	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	1
Molybdenum	ppm	<b>&lt;1</b>	<1	1	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>0</b>	<1	2	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>202</b>	126	125	140
Magnesium	ppm	<b>4</b>	12	6	7
Zinc	ppm	<b>81</b>	42	64	59
Phosphorus	ppm	<b>991</b>	932	1064	1026
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>172</b>	213	192	196

**Depot:** SCHGRE  
**Unique No:** 10755956  
**Signed:** Wes Davis  
**Report Date:** 27 Nov 2023



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## GRAPHS

