



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352351 - BOGIE/CENTER AXLE



**Sample No:** VCP406637  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406637</b>	VCP384414	VCP362735	VCP359638
Sample Date	<b>24 Aug 2023</b>	30 May 2023	06 Mar 2023	08 Nov 2022
Machine Hours	<b>7188</b>	6612	6020	5392
Oil Hours	<b>1168</b>	592	1105	477
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	139	137	138
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### CONTAMINATION

Silicon	ppm	<b>2</b>	<1	2	1
Sodium	ppm	<b>0</b>	0	<1	0
Potassium	ppm	<b>0</b>	0	<1	<1



### WEAR METALS

Iron	ppm	<b>10</b>	7	15	6
Copper	ppm	<b>0</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
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>&lt;1</b>	0	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>141</b>	131	151	146
Magnesium	ppm	<b>14</b>	12	8	8
Zinc	ppm	<b>48</b>	57	66	65
Phosphorus	ppm	<b>1014</b>	1021	994	952
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>223</b>	206	180	164

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** SCHGRE  
**Unique No:** 10634507  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023



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## GRAPHS

