



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352341 - BOGIE/CENTER AXLE



**Sample No:** VCP405983  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405983</b>	VCP386309	VCP378248	VCP377239
Sample Date	<b>24 Aug 2023</b>	07 Mar 2023	16 Jan 2023	01 Sep 2022
Machine Hours	<b>6283</b>	5114	4807	4017
Oil Hours	<b>1169</b>	1097	790	1117
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ATTENTION

**SCHILDBERG CONSTRUCTION COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	131	131	52.0
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### CONTAMINATION

Silicon	ppm	<b>2</b>	1	2	3
Sodium	ppm	<b>0</b>	2	<1	2
Potassium	ppm	<b>&lt;1</b>	<1	0	2



### WEAR METALS

Iron	ppm	<b>15</b>	32	76	125
Copper	ppm	<b>0</b>	<1	<1	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	1	2
Molybdenum	ppm	<b>&lt;1</b>	1	2	1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	2	3	5
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>126</b>	127	149	49
Magnesium	ppm	<b>12</b>	6	6	1
Zinc	ppm	<b>42</b>	62	61	28
Phosphorus	ppm	<b>935</b>	1071	976	2290
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>211</b>	196	190	228

### 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.

**Depot:** SCHGRE  
**Unique No:** 10634492  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## GRAPHS

