



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352351 - REAR AXLE



**Sample No:** VCP444701  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444701</b>	VCP416804	VCP339706	VCP406105
Sample Date	<b>29 Apr 2024</b>	13 Feb 2024	07 Nov 2023	24 Aug 2023
Machine Hours	<b>8835</b>	8269	7750	7188
Oil Hours	<b>566</b>	1081	562	1168
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	139	133	139
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	2	2
Sodium	ppm	<b>0</b>	<1	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>4</b>	12	4	10
Copper	ppm	<b>0</b>	<1	2	1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>0</b>	<1	0	0
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>2</b>	1	<1	<1
Nickel	ppm	<b>0</b>	<1	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	0	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>184</b>	197	438	190
Magnesium	ppm	<b>15</b>	10	6	12
Zinc	ppm	<b>78</b>	75	172	63
Phosphorus	ppm	<b>1058</b>	1044	1007	947
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>197</b>	181	169	202

**Depot:** SCHGRE  
**Unique No:** 11018998  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024



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## GRAPHS

