



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352349 - FRONT AXLE



**Sample No:** VCP406460  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP406460</b>	VCP404896	VCP390567	VCP366928
Sample Date	<b>29 Aug 2023</b>	22 Mar 2023	13 Feb 2023	21 Sep 2022
Machine Hours	<b>5785</b>	4695	4463	3727
Oil Hours	<b>1090</b>	968	736	1063
Oil Changed	<b>Changed</b>	Changed	Not Changd	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>131</b>	132	132	128
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### CONTAMINATION

Silicon	ppm	<b>3</b>	1	3	2
Sodium	ppm	<b>0</b>	<1	<1	0
Potassium	ppm	<b>&lt;1</b>	0	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>19</b>	30	68	30
Copper	ppm	<b>0</b>	<1	0	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	1	2	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>411</b>	301	327	344
Magnesium	ppm	<b>8</b>	6	10	8
Zinc	ppm	<b>138</b>	118	112	124
Phosphorus	ppm	<b>1019</b>	973	899	980
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>198</b>	172	171	155

**Depot:** SCHGRE  
**Unique No:** 10634520  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## VOLVO GRAPHS

