



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352341 - FRONT AXLE



**Sample No:** VCP416716  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416716</b>	VCP339713	VCP405998	VCP362772
Sample Date	<b>13 Feb 2024</b>	07 Nov 2023	24 Aug 2023	07 Mar 2023
Machine Hours	<b>7384</b>	6865	6283	5114
Oil Hours	<b>1101</b>	582	1169	1097
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>139</b>	140	137	132
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	1	2	1
Sodium	ppm	<b>&lt;1</b>	<1	0	<1
Potassium	ppm	<b>2</b>	0	<1	<1

### 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>25</b>	8	18	37
Copper	ppm	<b>&lt;1</b>	0	0	<1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	1
Nickel	ppm	<b>&lt;1</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>167</b>	164	166	124
Magnesium	ppm	<b>9</b>	4	10	7
Zinc	ppm	<b>64</b>	69	50	64
Phosphorus	ppm	<b>968</b>	1000	795	1038
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>172</b>	172	174	187

**Depot:** SCHGRE  
**Unique No:** 10898632  
**Signed:** Wes Davis  
**Report Date:** 27 Feb 2024

**VOLVO** **GRAPHS**

