



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - FRONT AXLE



**Sample No:** VCP400077  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP400077</b>	VCP373801	VCP337157	VCP343271
Sample Date	<b>20 Jun 2023</b>	09 Jan 2023	16 Sep 2022	25 Mar 2022
Machine Hours	<b>16355</b>	25295	14679	13489
Oil Hours	<b>1060</b>	616	1190	999
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	137	136	136
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### CONTAMINATION

Silicon	ppm	<b>&lt;1</b>	2	1	2
Sodium	ppm	<b>&lt;1</b>	0	0	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>5</b>	8	6	8
Copper	ppm	<b>0</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>0</b>	<1	<1	0
Molybdenum	ppm	<b>1</b>	1	1	2
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	<1
Manganese	ppm	<b>0</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>173</b>	160	199	192
Magnesium	ppm	<b>12</b>	11	9	19
Zinc	ppm	<b>66</b>	73	89	93
Phosphorus	ppm	<b>947</b>	1028	938	999
Barium	ppm	<b>0</b>	1	0	0
Boron	ppm	<b>201</b>	203	152	189

**Depot:** SCHGRE  
**Unique No:** 10546396  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2023



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## VOLVO GRAPHS

