



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342608 - FRONT AXLE



**Sample No:** VCP405665  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405665</b>	VCP395613	VCP379378	VCP337125
Sample Date	<b>21 Aug 2023</b>	27 Apr 2023	17 Jan 2023	06 Sep 2022
Machine Hours	<b>10330</b>	9546	8851	8053
Oil Hours	<b>552</b>	1095	1246	448
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>138</b>	138	135	138
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### CONTAMINATION

Silicon	ppm	<b>2</b>	2	1	2
Sodium	ppm	<b>0</b>	1	0	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>15</b>	7	11	6
Copper	ppm	<b>0</b>	1	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>&lt;1</b>	2	<1	<1
Nickel	ppm	<b>0</b>	0	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	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>180</b>	148	185	162
Magnesium	ppm	<b>17</b>	16	6	5
Zinc	ppm	<b>64</b>	60	76	67
Phosphorus	ppm	<b>999</b>	972	927	939
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>220</b>	161	175	162

**Depot:** SCHGRE  
**Unique No:** 10634513  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## VOLVO GRAPHS

