



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342374 - FRONT AXLE



**Sample No:** VCP442858  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442858</b>	VCP396999	VCP400070	VCP406817
Sample Date	<b>15 Apr 2024</b>	11 Mar 2024	20 Jul 2023	02 May 2023
Machine Hours	<b>11573</b>	11321	10329	9875
Oil Hours	<b>926</b>	674	933	479
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	135	132	133
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>9</b>	11	5	3
Sodium	ppm	<b>1</b>	2	<1	1
Potassium	ppm	<b>8</b>	8	<1	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>313</b>	345	52	37
Copper	ppm	<b>2</b>	2	<1	1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	0	0
Chromium	ppm	<b>5</b>	6	<1	<1
Molybdenum	ppm	<b>11</b>	12	<1	<1
Nickel	ppm	<b>1</b>	1	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>17</b>	20	1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>228</b>	237	379	431
Magnesium	ppm	<b>11</b>	11	8	10
Zinc	ppm	<b>107</b>	108	130	144
Phosphorus	ppm	<b>1081</b>	915	880	987
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>203</b>	161	157	152

**Depot:** SCHGRE  
**Unique No:** 11009498  
**Signed:** Wes Davis  
**Report Date:** 06 May 2024



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## VOLVO GRAPHS

