



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352351 - FRONT AXLE



**Sample No:** VCP444699  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP444699</b>	VCP416814	VCP339707	VCP406106
Sample Date	<b>29 Apr 2024</b>	13 Feb 2024	07 Nov 2023	24 Aug 2023
Machine Hours	<b>8835</b>	8269	7750	7188
Oil Hours	<b>566</b>	1081	562	1168
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	139	138	138
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	3	2	4
Sodium	ppm	<b>0</b>	<1	<1	0
Potassium	ppm	<b>0</b>	1	0	<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>6</b>	16	35	15
Copper	ppm	<b>0</b>	<1	0	0
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>0</b>	<1	0	0
Chromium	ppm	<b>&lt;1</b>	0	0	<1
Molybdenum	ppm	<b>2</b>	1	<1	<1
Nickel	ppm	<b>0</b>	<1	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>178</b>	199	192	143
Magnesium	ppm	<b>15</b>	10	4	14
Zinc	ppm	<b>77</b>	78	83	50
Phosphorus	ppm	<b>1056</b>	984	1000	1017
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>194</b>	171	171	228

**Depot:** SCHGRE  
**Unique No:** 11018999  
**Signed:** Wes Davis  
**Report Date:** 09 May 2024



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## GRAPHS

