



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - FRONT AXLE



**Sample No:** VCP450889  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP450889</b>	VCP312517	VCP378447	---
Sample Date	<b>10 Jul 2024</b>	04 Dec 2023	12 Sep 2023	---
Machine Hours	<b>18656</b>	17394	16932	---
Oil Hours	<b>1262</b>	1036	577	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>133</b>	139	137	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>&lt;1</b>	2	4	---
Sodium	ppm	<b>0</b>	0	<1	---
Potassium	ppm	<b>1</b>	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>10</b>	10	7	---
Copper	ppm	<b>&lt;1</b>	0	0	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>4</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	0	<1	---
Molybdenum	ppm	<b>2</b>	2	2	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>&lt;1</b>	0	0	---
Manganese	ppm	<b>0</b>	0	0	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>187</b>	228	243	---
Magnesium	ppm	<b>14</b>	18	22	---
Zinc	ppm	<b>85</b>	87	118	---
Phosphorus	ppm	<b>1027</b>	1045	1213	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>206</b>	190	246	---

**Depot:** SCHGRE  
**Unique No:** 11129475  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2024



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## VOLVO GRAPHS

