



# CONSTRUCTION EQUIPMENT

## 2932 VOLVO A40G 352 198 - REAR AXLE



**Sample No:** VCP447485  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2932



### SAMPLE INFORMATION

Sample Number	<b>VCP447485</b>	VCP378561	VCP312933	VCP405730
Sample Date	<b>07 Jun 2024</b>	14 Dec 2023	06 Sep 2023	19 Jun 2023
Machine Hours	<b>5957</b>	4956	4393	3898
Oil Hours	<b>1001</b>	1058	495	239
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ATTENTION

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### OIL CONDITION

Visc @ 40°C	cSt	<b>136</b>	132	132	49.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	3	2	3
Sodium	ppm	<b>0</b>	0	0	3
Potassium	ppm	<b>2</b>	<1	<1	2



### WEAR METALS

Iron	ppm	<b>49</b>	50	23	75
Copper	ppm	<b>&lt;1</b>	0	<1	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	0	2	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	3
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>245</b>	200	185	11
Magnesium	ppm	<b>14</b>	16	16	0
Zinc	ppm	<b>107</b>	91	90	2
Phosphorus	ppm	<b>1004</b>	1066	1066	2361
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>172</b>	177	204	294

### 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.

**Depot:** SCHGRE  
**Unique No:** 11085035  
**Signed:** Wes Davis  
**Report Date:** 19 Jun 2024



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## GRAPHS

