



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352349 - REAR AXLE



**Sample No:** VCP436367  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP436367</b>	VCP396790	VCP406459	VCP406825
Sample Date	<b>08 Feb 2024</b>	30 Oct 2023	29 Aug 2023	22 Mar 2023
Machine Hours	<b>6743</b>	6234	5785	4695
Oil Hours	<b>958</b>	449	1090	968
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>130</b>	131	131	133
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	8	2	2
Sodium	ppm	<b>11</b>	<1	<1	<1
Potassium	ppm	<b>21</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>24</b>	52	11	39
Copper	ppm	<b>&lt;1</b>	0	0	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	0	0	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	2
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>413</b>	405	389	339
Magnesium	ppm	<b>13</b>	0	7	8
Zinc	ppm	<b>151</b>	146	126	115
Phosphorus	ppm	<b>1222</b>	1015	966	977
Barium	ppm	<b>12</b>	0	0	0
Boron	ppm	<b>149</b>	169	185	179

**Depot:** SCHGRE  
**Unique No:** 10876572  
**Signed:** Wes Davis  
**Report Date:** 15 Feb 2024



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## GRAPHS

