



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 752009 - REAR AXLE



**Sample No:** VCP454437  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454437</b>	VCP401118	VCP445737	VCP312954
Sample Date	<b>10 Jun 2024</b>	12 Mar 2024	29 Nov 2023	12 Sep 2023
Machine Hours	<b>2081</b>	1479	987	482
Oil Hours	<b>602</b>	1052	987	482
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>121</b>	104	103	103
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	6	6	4
Sodium	ppm	<b>0</b>	2	<1	<1
Potassium	ppm	<b>1</b>	6	0	4

### 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>40</b>	373	328	89
Copper	ppm	<b>&lt;1</b>	3	2	<1
Lead	ppm	<b>0</b>	<1	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	0	<1
Chromium	ppm	<b>&lt;1</b>	6	5	1
Molybdenum	ppm	<b>3</b>	16	12	7
Nickel	ppm	<b>0</b>	2	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>3</b>	0	0	0
Manganese	ppm	<b>1</b>	16	12	7
Vanadium	ppm	<b>0</b>	<1	<1	0



### ADDITIVES

Calcium	ppm	<b>558</b>	249	172	174
Magnesium	ppm	<b>15</b>	2	0	1
Zinc	ppm	<b>216</b>	111	57	80
Phosphorus	ppm	<b>957</b>	1709	1387	1405
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>156</b>	388	350	352

**Depot:** SCHGRE  
**Unique No:** 11126998  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024



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## GRAPHS

