



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342373 - FRONT AXLE



**Sample No:** VCP399480  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP399480</b>	VCP339740	VCP402911	VCP406611
Sample Date	<b>12 Mar 2024</b>	09 Oct 2023	29 Aug 2023	02 May 2023
Machine Hours	<b>12715</b>	11957	11645	10860
Oil Hours	<b>758</b>	995	683	1029
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

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

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	3	3	3
Sodium	ppm	<b>0</b>	0	0	1
Potassium	ppm	<b>&lt;1</b>	1	<1	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>29</b>	51	48	47
Copper	ppm	<b>&lt;1</b>	0	0	1
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	1	<1	<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>	0	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>245</b>	402	415	395
Magnesium	ppm	<b>11</b>	8	10	9
Zinc	ppm	<b>103</b>	141	139	131
Phosphorus	ppm	<b>921</b>	966	1013	989
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>166</b>	171	199	150

**Depot:** SCHGRE  
**Unique No:** 10938211  
**Signed:** Wes Davis  
**Report Date:** 21 Mar 2024



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## VOLVO GRAPHS

