



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352341 - FRONT AXLE



**Sample No:** VCP405998  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405998</b>	VCP362772	VCP378860	VCP377238
Sample Date	<b>24 Aug 2023</b>	07 Mar 2023	16 Jan 2023	01 Sep 2022
Machine Hours	<b>6283</b>	5114	4807	4017
Oil Hours	<b>1169</b>	1097	790	1117
Oil Changed	<b>Changed</b>	Changed	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ATTENTION

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### OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	132	132	52.4
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### CONTAMINATION

Silicon	ppm	<b>2</b>	1	3	3
Sodium	ppm	<b>0</b>	<1	<1	1
Potassium	ppm	<b>&lt;1</b>	<1	0	2



### WEAR METALS

Iron	ppm	<b>18</b>	37	80	133
Copper	ppm	<b>0</b>	<1	<1	<1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	<1	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	1	2
Molybdenum	ppm	<b>&lt;1</b>	1	1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	2	4	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>166</b>	124	143	10
Magnesium	ppm	<b>10</b>	7	6	<1
Zinc	ppm	<b>50</b>	64	59	9
Phosphorus	ppm	<b>795</b>	1038	983	2342
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>174</b>	187	191	307

### 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:** 10634488  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

