



# CONSTRUCTION EQUIPMENT

## 2688 VOLVO A40G 341462 - FRONT AXLE



**Sample No:** VCP451060  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:** 2688



### SAMPLE INFORMATION

Sample Number	<b>VCP451060</b>	VCP398076	VCP373703	VCP373691
Sample Date	<b>09 May 2024</b>	26 Jul 2023	31 Oct 2022	10 Aug 2022
Machine Hours	<b>17798</b>	16335	14785	14289
Oil Hours	<b>506</b>	871	496	1010
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>132</b>	130	131	137
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	2	3	3
Sodium	ppm	<b>0</b>	0	0	<1
Potassium	ppm	<b>1</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>21</b>	29	19	14
Copper	ppm	<b>1</b>	0	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	0	0
Molybdenum	ppm	<b>2</b>	0	2	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>476</b>	466	518	302
Magnesium	ppm	<b>19</b>	12	9	6
Zinc	ppm	<b>181</b>	171	179	116
Phosphorus	ppm	<b>899</b>	937	941	1028
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>177</b>	154	179	193

**Depot:** SCHGRE  
**Unique No:** 11075593  
**Signed:** Wes Davis  
**Report Date:** 14 Jun 2024

**VOLVO** **GRAPHS**

