



# CONSTRUCTION EQUIPMENT

## VOLVO A40D 70322 - REAR LEFT FINAL DRIVE



**Sample No:** VCP385217  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP385217</b>	VCP378835	VCP359502	VCP342907
Sample Date	<b>01 Aug 2023</b>	16 Sep 2022	16 Jun 2022	11 May 2022
Machine Hours	<b>26925</b>	25375	24817	24564
Oil Hours	<b>991</b>	558	1051	798
Oil Changed	<b>Changed</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>133</b>	137	136	141
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### CONTAMINATION

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

### WEAR METALS

Iron	ppm	<b>34</b>	15	29	20
Copper	ppm	<b>&lt;1</b>	<1	6	<1
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>0</b>	0	<1	<1
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>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>	0	1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>168</b>	164	194	215
Magnesium	ppm	<b>8</b>	6	17	17
Zinc	ppm	<b>76</b>	69	95	95
Phosphorus	ppm	<b>1005</b>	965	981	1028
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>215</b>	167	166	164

**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:** 10617684  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## VOLVO GRAPHS

