



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352566 - WET DISC BRAKE



**Sample No:** VCP312550  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP312550</b>	VCP404832	VCP384400	VCP386312
Sample Date	<b>04 Oct 2023</b>	21 Aug 2023	30 May 2023	06 Mar 2023
Machine Hours	<b>4584</b>	4239	3634	3021
Oil Hours	<b>2218</b>	1873	1268	655
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	MARGINAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.1</b>	42.4	42.8	42.99
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### CONTAMINATION

Silicon	ppm	<b>19</b>	15	19	24
Sodium	ppm	<b>6</b>	8	9	9
Potassium	ppm	<b>2</b>	<1	<1	1



### WEAR METALS

Iron	ppm	<b>24</b>	21	19	21
Copper	ppm	<b>165</b>	128	124	117
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>1</b>	0	<1	4
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>6</b>	4	4	4
Titanium	ppm	<b>&lt;1</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3417</b>	3418	3523	3599
Magnesium	ppm	<b>10</b>	14	15	16
Zinc	ppm	<b>1469</b>	1402	1555	1523
Phosphorus	ppm	<b>1214</b>	1128	1253	1242
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>121</b>	127	127	122

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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:** 10701213  
**Signed:** Don Baldrige  
**Report Date:** 21 Oct 2023



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## VOLVO GRAPHS

