



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352566 - WET DISC BRAKE



**Sample No:** VCP404832  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP404832</b>	VCP384400	VCP386312	VCP359509
Sample Date	<b>21 Aug 2023</b>	30 May 2023	06 Mar 2023	09 Nov 2022
Machine Hours	<b>4239</b>	3634	3021	2366
Oil Hours	<b>1873</b>	1268	655	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	MARGINAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	42.8	42.99	39.6
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### CONTAMINATION

Silicon	ppm	<b>15</b>	19	24	16
Sodium	ppm	<b>8</b>	9	9	10
Potassium	ppm	<b>&lt;1</b>	<1	1	2



### WEAR METALS

Iron	ppm	<b>21</b>	19	21	20
Copper	ppm	<b>128</b>	124	117	168
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>0</b>	<1	4	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	0
Nickel	ppm	<b>4</b>	4	4	4
Titanium	ppm	<b>0</b>	0	<1	0
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>3418</b>	3523	3599	3532
Magnesium	ppm	<b>14</b>	15	16	10
Zinc	ppm	<b>1402</b>	1555	1523	1536
Phosphorus	ppm	<b>1128</b>	1253	1242	1258
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>127</b>	127	122	111

### Diagnosis

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:** 10634503  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023



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## VOLVO GRAPHS

