



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352566 - WET DISC BRAKE



**Sample No:** VCP433560  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433560</b>	VCP341888	VCP312550	VCP404832
Sample Date	<b>02 Apr 2024</b>	11 Dec 2023	04 Oct 2023	21 Aug 2023
Machine Hours	<b>5666</b>	5026	4584	4239
Oil Hours	<b>1082</b>	442	2218	1873
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.8</b>	45.3	42.1	42.4
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	18	19	15
Sodium	ppm	<b>7</b>	6	6	8
Potassium	ppm	<b>0</b>	<1	2	<1

### 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.



### WEAR METALS

Iron	ppm	<b>14</b>	20	24	21
Copper	ppm	<b>126</b>	114	165	128
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	1	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>3</b>	3	6	4
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3373</b>	3407	3417	3418
Magnesium	ppm	<b>&lt;1</b>	15	10	14
Zinc	ppm	<b>1401</b>	1438	1469	1402
Phosphorus	ppm	<b>1267</b>	1169	1214	1128
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>115</b>	108	121	127

**Depot:** SCHGRE  
**Unique No:** 10990339  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

