



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352341 - WET DISC BRAKE



**Sample No:** VCP433626  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433626</b>	VCP331581	VCP312547	VCP406464
Sample Date	<b>02 Apr 2024</b>	11 Dec 2023	03 Oct 2023	13 Jul 2023
Machine Hours	<b>7735</b>	7087	6606	5997
Oil Hours	<b>1738</b>	1090	609	1980
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.6</b>	44.9	44.9	42.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	█ <b>15</b>	█ 16	█ 17	█ 15
Sodium	ppm	█ <b>7</b>	█ 5	█ 4	█ 7
Potassium	ppm	█ <b>0</b>	█ <1	█ 1	█ <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>15</b>	█ 19	▲ 26	▲ 23
Copper	ppm	▲ <b>106</b>	▲ 99	▲ 106	▲ 110
Lead	ppm	█ <b>0</b>	█ 0	█ 0	█ 2
Tin	ppm	█ <b>0</b>	█ 0	█ 0	█ 0
Aluminum	ppm	█ <b>&lt;1</b>	█ <1	█ 1	█ 0
Chromium	ppm	█ <b>0</b>	█ <1	█ <1	█ 1
Molybdenum	ppm	█ <b>0</b>	█ 0	█ <1	█ <1
Nickel	ppm	█ <b>3</b>	█ 4	█ 5	█ 5
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	█ <b>1</b>	█ <1	█ <1	█ 1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	█ <b>3195</b>	█ 3323	█ 3410	█ 2979
Magnesium	ppm	█ <b>&lt;1</b>	█ 14	█ 12	█ 13
Zinc	ppm	█ <b>1415</b>	█ 1433	█ 1474	█ 1295
Phosphorus	ppm	█ <b>1274</b>	█ 1175	█ 1201	█ 1090
Barium	ppm	█ <b>0</b>	█ 0	█ 0	█ 0
Boron	ppm	█ <b>110</b>	█ 104	█ 119	█ 107

**Depot:** SCHGRE  
**Unique No:** 10990337  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

