



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342374 - WET DISC BRAKE



**Sample No:** VCP384378  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP384378</b>	VCP406822	VCP385088	VCP366946
Sample Date	<b>07 Jun 2023</b>	22 Mar 2023	06 Dec 2022	21 Sep 2022
Machine Hours	<b>10123</b>	9609	9132	8675
Oil Hours	<b>2120</b>	1606	1129	672
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.9</b>	48.0	48.8	49.5
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### CONTAMINATION

Silicon	ppm	<b>30</b>	18	18	17
Sodium	ppm	<b>7</b>	6	5	3
Potassium	ppm	<b>2</b>	0	2	0



### WEAR METALS

Iron	ppm	<b>105</b>	46	36	32
Copper	ppm	<b>161</b>	155	153	133
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>5</b>	3	3	3
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>5</b>	3	2	3
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	1	1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3117</b>	2773	3156	3106
Magnesium	ppm	<b>13</b>	12	11	11
Zinc	ppm	<b>1390</b>	1213	1360	1274
Phosphorus	ppm	<b>1198</b>	1110	1187	1111
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>88</b>	85	85	87

### Diagnosis

Oil and filter 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 iron level is abnormal. All other component wear rates are normal. There is a moderate amount of visible silt present in the sample. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

**Depot:** SCHGRE  
**Unique No:** 10519802  
**Signed:** Don Baldrige  
**Report Date:** 17 Jun 2023

**VOLVO** **GRAPHS**

