



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342253 - WET DISC BRAKE



**Sample No:** VCP442854  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442854</b>	VCP392532	VCP402325	VCP404892
Sample Date	<b>06 Dec 2023</b>	25 Sep 2023	19 Jul 2023	02 May 2023
Machine Hours	<b>10949</b>	10423	9967	9484
Oil Hours	<b>1903</b>	1377	921	438
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.6</b>	47.0	47.9	48.6
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	14	14	15
Sodium	ppm	<b>3</b>	0	4	4
Potassium	ppm	<b>0</b>	1	<1	0

### 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>20</b>	17	15	16
Copper	ppm	<b>▲ 110</b>	▲ 104	▲ 86	▲ 86
Lead	ppm	<b>2</b>	<1	1	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>2</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>2</b>	3	2	2
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>2743</b>	2674	2682	2973
Magnesium	ppm	<b>0</b>	10	15	17
Zinc	ppm	<b>1110</b>	1234	1193	1326
Phosphorus	ppm	<b>1118</b>	1096	1032	1118
Barium	ppm	<b>0</b>	1	0	0
Boron	ppm	<b>98</b>	79	93	85

**Depot:** SCHGRE  
**Unique No:** 10780770  
**Signed:** Don Baldrige  
**Report Date:** 14 Dec 2023



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## GRAPHS

