



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341127 - WET DISC BRAKE



**Sample No:** VCP416951  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP416951</b>	VCP404501	VCP398296	VCP359599
Sample Date	<b>06 Feb 2024</b>	24 Oct 2023	27 Apr 2023	16 Jan 2023
Machine Hours	<b>14222</b>	13756	12838	12357
Oil Hours	<b>1865</b>	1399	481	2078
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.2</b>	49.5	50.5	49.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>12</b>	13	13	11
Sodium	ppm	<b>4</b>	0	5	5
Potassium	ppm	<b>&lt;1</b>	2	0	0

### Diagnosis

Resample at the next service interval to monitor. All 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>18</b>	18	17	20
Copper	ppm	<b>80</b>	85	64	94
Lead	ppm	<b>2</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	0	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>1</b>	1	<1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3113</b>	3166	3122	3046
Magnesium	ppm	<b>14</b>	11	15	12
Zinc	ppm	<b>1366</b>	1358	1348	1259
Phosphorus	ppm	<b>1103</b>	1203	1122	1074
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>96</b>	100	90	98

**Depot:** SCHGRE  
**Unique No:** 10898639  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024



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## GRAPHS

