



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - WET DISC BRAKE



**Sample No:** VCP400078  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP400078</b>	VCP384419	VCP359604	VCP337161
Sample Date	<b>20 Jun 2023</b>	27 Mar 2023	09 Jan 2023	16 Sep 2022
Machine Hours	<b>16355</b>	15742	15295	14679
Oil Hours	<b>1060</b>	447	1806	1190
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>51.1</b>	53.1	51.9	52.5
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### CONTAMINATION

Silicon	ppm	<b>14</b>	19	20	17
Sodium	ppm	<b>7</b>	7	5	4
Potassium	ppm	<b>0</b>	0	2	0



### WEAR METALS

Iron	ppm	<b>17</b>	17	25	13
Copper	ppm	<b>68</b>	67	71	58
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	2	3	2
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>2</b>	<1	0	1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>3257</b>	3133	3515	3421
Magnesium	ppm	<b>14</b>	15	17	16
Zinc	ppm	<b>1369</b>	1226	1421	1345
Phosphorus	ppm	<b>1140</b>	1030	1179	1108
Barium	ppm	<b>0</b>	0	1	0
Boron	ppm	<b>114</b>	111	119	100

### 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.

**Depot:** SCHGRE  
**Unique No:** 10546398  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2023



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## VOLVO GRAPHS

