



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 341476 - BRAKE



**Sample No:** VCP378448  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP378448</b>	VCP342916	VCP337138	VCP298915
Sample Date	<b>12 Sep 2023</b>	25 Mar 2022	29 Nov 2021	22 Mar 2021
Machine Hours	<b>16932</b>	13489	12879	11062
Oil Hours	<b>1637</b>	2008	389	1419
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>50.4</b>	52.3	53.4	52.8
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### CONTAMINATION

Silicon	ppm	<b>15</b>	14	13	18
Sodium	ppm	<b>5</b>	6	7	7
Potassium	ppm	<b>1</b>	0	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>16</b>	18	14	17
Copper	ppm	<b>77</b>	61	59	74
Lead	ppm	<b>&lt;1</b>	2	<1	<1
Tin	ppm	<b>0</b>	<1	<1	<1
Aluminum	ppm	<b>3</b>	2	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>3</b>	2	1	1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	9	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3129</b>	3419	3575	3520
Magnesium	ppm	<b>14</b>	19	17	17
Zinc	ppm	<b>1399</b>	1403	1350	1440
Phosphorus	ppm	<b>1165</b>	1171	1194	1196
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>116</b>	122	105	119

**Depot:** SCHGRE  
**Unique No:** 10672297  
**Signed:** Don Baldrige  
**Report Date:** 02 Oct 2023



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## GRAPHS

