



# CONSTRUCTION EQUIPMENT

## 2808 VOLVO A40G 342658 - WET DISC BRAKE



**Sample No:** VCP402333  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 2808



### SAMPLE INFORMATION

Sample Number	<b>VCP402333</b>	VCP385244	VCP359579	VCP337445
Sample Date	<b>13 Jul 2023</b>	06 Mar 2023	08 Nov 2022	06 Sep 2022
Machine Hours	<b>8893</b>	8373	7751	7289
Oil Hours	<b>1604</b>	1084	462	1967
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.9</b>	47.2	47.2	45.3
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### CONTAMINATION

Silicon	ppm	<b>15</b>	▲ 21	■ 16	■ 14
Sodium	ppm	<b>6</b>	■ 7	■ 4	■ 3
Potassium	ppm	<b>&lt;1</b>	■ 0	■ 1	■ 0

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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>21</b>	■ 26	■ 22	■ 17
Copper	ppm	<b>83</b>	▲ 92	▲ 86	▲ 114
Lead	ppm	<b>1</b>	■ 0	■ 0	■ <1
Tin	ppm	<b>&lt;1</b>	■ <1	■ 0	■ 0
Aluminum	ppm	<b>&lt;1</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>4</b>	■ 4	■ 2	4
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	■ 1	■ <1	■ <1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3117</b>	■ 3595	■ 3482	■ 3335
Magnesium	ppm	<b>16</b>	■ 17	■ 13	■ 10
Zinc	ppm	<b>1315</b>	■ 1469	■ 1456	■ 1366
Phosphorus	ppm	<b>1090</b>	■ 1230	■ 1174	■ 1165
Barium	ppm	<b>0</b>	■ 0	■ 0	■ 0
Boron	ppm	<b>111</b>	■ 123	■ 107	■ 99

**Depot:** SCHGRE  
**Unique No:** 10586833  
**Signed:** Don Baldrige  
**Report Date:** 04 Aug 2023



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## VOLVO GRAPHS

