



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352025 - WET DISC BRAKE



**Sample No:** VCP405666  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP405666</b>	VCP400110	VCP385243	VCP360972
Sample Date	<b>21 Aug 2023</b>	30 May 2023	06 Mar 2023	08 Nov 2022
Machine Hours	<b>9271</b>	8804	8253	7616
Oil Hours	<b>1021</b>	551	1041	404
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486

### OIL CONDITION

Visc @ 40°C	cSt	<b>51.1</b>	54.8	50.6	51.6
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### CONTAMINATION

Silicon	ppm	<b>16</b>	17	13	17
Sodium	ppm	<b>3</b>	4	5	3
Potassium	ppm	<b>0</b>	<1	0	1

### 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>12</b>	12	13	13
Copper	ppm	<b>31</b>	27	38	36
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>1</b>	1	2	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>3369</b>	3463	3504	3555
Magnesium	ppm	<b>19</b>	19	19	18
Zinc	ppm	<b>1364</b>	1489	1437	1457
Phosphorus	ppm	<b>1090</b>	1165	1159	1149
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>131</b>	127	117	110

**Depot:** SCHGRE  
**Unique No:** 10634494  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023



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## VOLVO GRAPHS

