



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342658 - WET DISC BRAKE



**Sample No:** VCP433290  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP433290</b>	VCP312837	VCP339686	VCP402333
Sample Date	<b>02 Apr 2024</b>	11 Dec 2023	03 Oct 2023	13 Jul 2023
Machine Hours	<b>10545</b>	9899	9447	8893
Oil Hours	<b>1098</b>	452	2158	1604
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>47.7</b>	48.4	46.6	46.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	17	16	15
Sodium	ppm	<b>4</b>	3	2	6
Potassium	ppm	<b>0</b>	0	2	<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>15</b>	19	21	21
Copper	ppm	<b>75</b>	71	▲ 106	▲ 83
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>2</b>	2	4	4
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	<1	1
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3162</b>	3268	3331	3117
Magnesium	ppm	<b>2</b>	15	11	16
Zinc	ppm	<b>1366</b>	1387	1432	1315
Phosphorus	ppm	<b>1220</b>	1121	1175	1090
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>110</b>	105	115	111

**Depot:** SCHGRE  
**Unique No:** 10990336  
**Signed:** Sean Felton  
**Report Date:** 24 Apr 2024



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## VOLVO GRAPHS

