



# CONSTRUCTION EQUIPMENT

## 2688 VOLVO A40G 341462 - WET DISC BRAKE



**Sample No:** VCP454440  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 2688



### SAMPLE INFORMATION

Sample Number	<b>VCP454440</b>	VCP433633	VCP312993	VCP312567
Sample Date	<b>09 May 2024</b>	19 Mar 2024	14 Nov 2023	01 Sep 2023
Machine Hours	<b>17798</b>	17478	17072	16607
Oil Hours	<b>2134</b>	1814	1908	943
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>55.5</b>	52.3	52.7	53.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	15	11	12
Sodium	ppm	<b>2</b>	4	6	4
Potassium	ppm	<b>2</b>	2	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>16</b>	25	11	13
Copper	ppm	<b>61</b>	52	45	39
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>2</b>	2	<1	3
Chromium	ppm	<b>&lt;1</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	<1	0	<1
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3439</b>	3460	3299	3322
Magnesium	ppm	<b>18</b>	18	17	18
Zinc	ppm	<b>1402</b>	1392	1425	1429
Phosphorus	ppm	<b>1065</b>	1131	1127	1141
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>121</b>	112	107	122

**Depot:** SCHGRE  
**Unique No:** 11075592  
**Signed:** Don Baldrige  
**Report Date:** 14 Jun 2024



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## VOLVO GRAPHS

