



# CONSTRUCTION EQUIPMENT

## 590794 ASH GROVE VOLVO A40G 352940 - WET DISC BRAKE



**Sample No:** VCP447271  
**Oil Type:** VOLVO WB 102  
**Job No:** 590794 ASH GROVE



### SAMPLE INFORMATION

Sample Number	<b>VCP447271</b>	VCP440290	VCP411660	VCP399300
Sample Date	<b>19 Jun 2024</b>	26 Sep 2023	30 May 2023	20 Dec 2022
Machine Hours	<b>9067</b>	6962	5463	3441
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.3</b>	41.2	40.8	40.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>15</b>	21	19	21
Sodium	ppm	<b>4</b>	5	8	8
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>22</b>	37	39	32
Copper	ppm	<b>149</b>	139	102	76
Lead	ppm	<b>&lt;1</b>	<1	0	2
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>3</b>	2	<1	2
Chromium	ppm	<b>&lt;1</b>	1	<1	1
Molybdenum	ppm	<b>2</b>	<1	0	<1
Nickel	ppm	<b>6</b>	6	5	6
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>&lt;1</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>3253</b>	3481	3259	3864
Magnesium	ppm	<b>14</b>	14	10	14
Zinc	ppm	<b>1468</b>	1550	1432	1726
Phosphorus	ppm	<b>1345</b>	1275	1184	1341
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>106</b>	136	121	129

**Depot:** VOLVO0096  
**Unique No:** 11096778  
**Signed:** Sean Felton  
**Report Date:** 26 Jun 2024

**VOLVO** **GRAPHS**

