



# CONSTRUCTION EQUIPMENT

## A10540 VOLVO A40G 342316 - WET DISC BRAKE



**Sample No:** VCP411871  
**Oil Type:** MOBIL WB 102  
**Job No:** A10540



### SAMPLE INFORMATION

Sample Number	<b>VCP411871</b>	VCP319626	---	---
Sample Date	<b>06 Jul 2023</b>	09 Sep 2021	---	---
Machine Hours	<b>5600</b>	4315	---	---
Oil Hours	<b>1000</b>	4000	---	---
Oil Changed	<b>Not Chngd</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

**K C CONSTRUCTION**  
 1737 STOUT DRIVE  
 IVYLAND, PA  
 US 18974  
 Contact: DUKE D.  
 duked@kcconstruct.com  
 T: (267)784-7337  
 F: x:



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.3</b>	43.9	---	---
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### CONTAMINATION

Silicon	ppm	<b>16</b>	17	---	---
Sodium	ppm	<b>4</b>	3	---	---
Potassium	ppm	<b>&lt;1</b>	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>38</b>	48	---	---
Copper	ppm	<b>▲ 139</b>	▲ 153	---	---
Lead	ppm	<b>&lt;1</b>	2	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>2</b>	2	---	---
Chromium	ppm	<b>1</b>	1	---	---
Molybdenum	ppm	<b>1</b>	3	---	---
Nickel	ppm	<b>3</b>	4	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3561</b>	3167	---	---
Magnesium	ppm	<b>21</b>	15	---	---
Zinc	ppm	<b>1477</b>	1374	---	---
Phosphorus	ppm	<b>1235</b>	1246	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>87</b>	75	---	---

**Depot:** KCCIVY  
**Unique No:** 10560352  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2023



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## GRAPHS

