



# CONSTRUCTION EQUIPMENT

## 13735 VOLVO A45G 353552 - GEARBOX



**Sample No:** VCP407801  
**Oil Type:** VOLVO WB 102  
**Job No:** 13735



### SAMPLE INFORMATION

Sample Number	<b>VCP407801</b>	VCP418012	---	---
Sample Date	<b>14 Nov 2023</b>	08 Nov 2023	---	---
Machine Hours	<b>341</b>	339	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	N/A	---	---
Sample Status	<b>ABNORMAL</b>	SEVERE	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.0</b>	44.1	---	---
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### CONTAMINATION

Water	%	<b>0.650</b>	0.827	---	---
Silicon	ppm	<b>19</b>	23	---	---
Sodium	ppm	<b>21</b>	34	---	---
Potassium	ppm	<b>3</b>	2	---	---



### WEAR METALS

Iron	ppm	<b>33</b>	40	---	---
Copper	ppm	<b>303</b>	423	---	---
Lead	ppm	<b>0</b>	1	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	1	---	---
Chromium	ppm	<b>&lt;1</b>	1	---	---
Molybdenum	ppm	<b>1</b>	0	---	---
Nickel	ppm	<b>2</b>	4	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	3	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3285</b>	3843	---	---
Magnesium	ppm	<b>10</b>	12	---	---
Zinc	ppm	<b>1233</b>	1389	---	---
Phosphorus	ppm	<b>1163</b>	1363	---	---
Barium	ppm	<b>7</b>	0	---	---
Boron	ppm	<b>112</b>	134	---	---

### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8882  
**Unique No:** 10742965  
**Signed:** Jonathan Hester  
**Report Date:** 30 Nov 2023



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## GRAPHS

