



# CONSTRUCTION EQUIPMENT

W07013736 VOLVO A35G 340244 - WET DISC BRAKE



**Sample No:** VCP414591  
**Oil Type:** VOLVO WB 102  
**Job No:** W07013736



## SAMPLE INFORMATION

Sample Number	<b>VCP414591</b>	VCP408855	VCP245642	---
Sample Date	<b>01 Nov 2023</b>	14 Jun 2023	10 Dec 2019	---
Machine Hours	<b>8485</b>	8088	3979	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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



## OIL CONDITION

Visc @ 40°C	cSt	<b>41.6</b>	39.9	40.4	---
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## CONTAMINATION

Silicon	ppm	<b>16</b>	11	18	---
Sodium	ppm	<b>3</b>	4	7	---
Potassium	ppm	<b>0</b>	0	2	---



## WEAR METALS

Iron	ppm	<b>61</b>	33	47	---
Copper	ppm	<b>175</b>	253	290	---
Lead	ppm	<b>2</b>	3	<1	---
Tin	ppm	<b>0</b>	<1	2	---
Aluminum	ppm	<b>1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>2</b>	4	5	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	1	<1	---
Vanadium	ppm	<b>0</b>	<1	0	---



## ADDITIVES

Calcium	ppm	<b>3317</b>	2914	3662	---
Magnesium	ppm	<b>26</b>	9	10	---
Zinc	ppm	<b>1241</b>	1200	1423	---
Phosphorus	ppm	<b>1167</b>	1240	1289	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>96</b>	80	101	---

## Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8882  
**Unique No:** 10726907  
**Signed:** Jonathan Hester  
**Report Date:** 07 Nov 2023

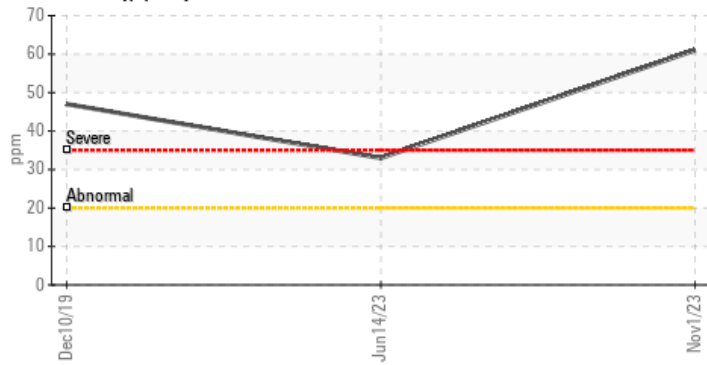


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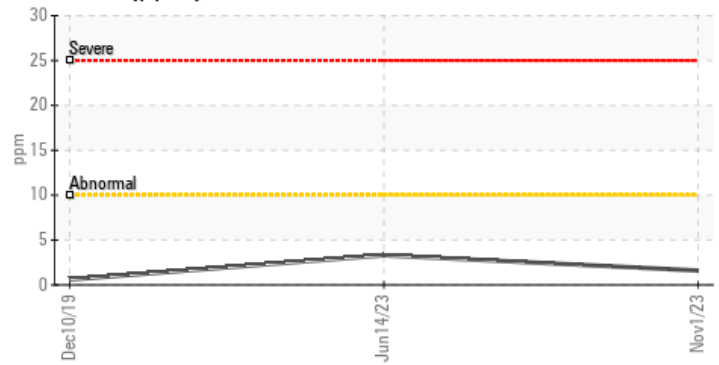


## GRAPHS

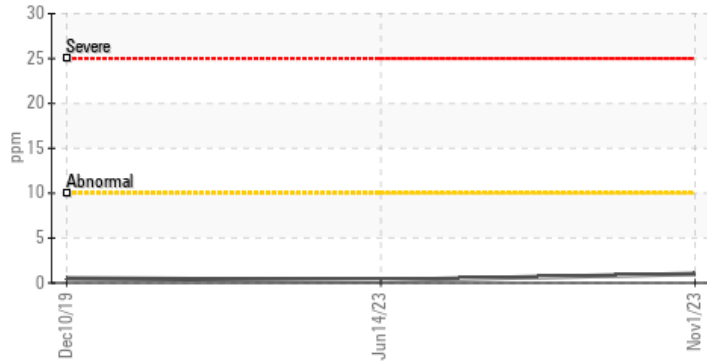
### Iron (ppm)



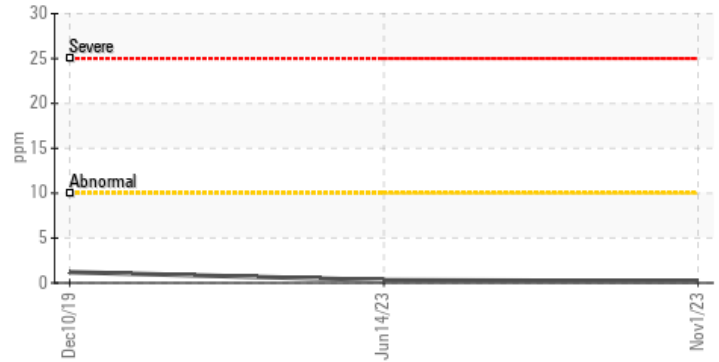
### Lead (ppm)



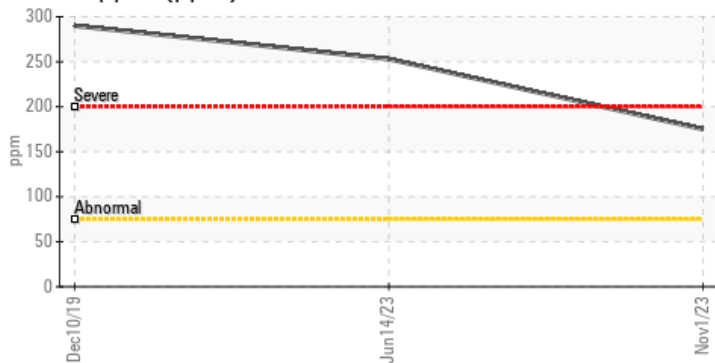
### Aluminum (ppm)



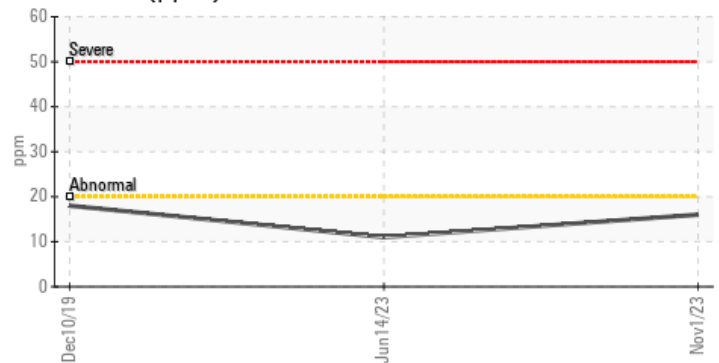
### Chromium (ppm)



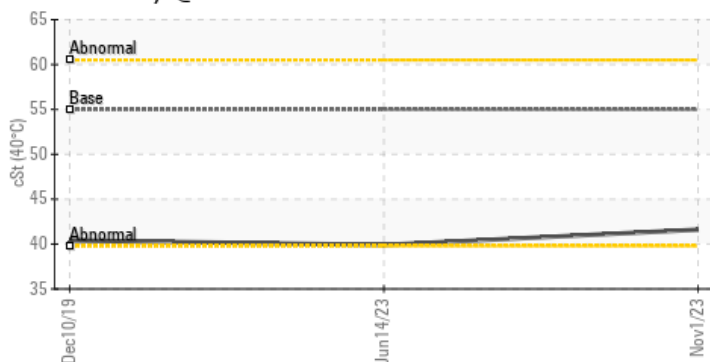
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

