



# CONSTRUCTION EQUIPMENT

S50601944 GREEN WAST VOLVO L45H 422054 - REAR AXLE



**Sample No:** VCP446692  
**Oil Type:** VOLVO WB 102  
**Job No:** S50601944 GREEN WAST



## SAMPLE INFORMATION

Sample Number	VCP446692	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	5440	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### VCES- VOLVO CONSTRUCTION EQUIPMENT

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## OIL CONDITION

Visc @ 40°C	cSt	■ 52.7	---	---	---
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## CONTAMINATION

Water	%	■ 0.084	---	---	---
Silicon	ppm	▲ 505	---	---	---
Sodium	ppm	■ 12	---	---	---
Potassium	ppm	■ 10	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	▲ 1628	---	---	---
Copper	ppm	■ 96	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	● 52	---	---	---
Chromium	ppm	■ 6	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	▲ 12	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 15	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 3555	---	---	---
Magnesium	ppm	■ 43	---	---	---
Zinc	ppm	■ 1432	---	---	---
Phosphorus	ppm	■ 1162	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	24	---	---	---

**Depot:** VOLVO4487  
**Unique No:** 10938217  
**Signed:** Don Baldrige  
**Report Date:** 22 Mar 2024



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## VOLVO GRAPHS

