



# CONSTRUCTION EQUIPMENT

SWA289046 DEV CEN FL VOLVO L70H 622155 - REAR AXLE



**Sample No:** VCP427170  
**Oil Type:** VOLVO WB 102  
**Job No:** SWA289046 DEV CEN FL



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## SAMPLE INFORMATION

Sample Number	VCP427170	VCP327916	---	---
Sample Date	20 Jun 2023	18 Oct 2021	---	---
Machine Hours	6109	4974	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	SEVERE	SEVERE	---	---



## OIL CONDITION

Visc @ 40°C	cSt	40.1	40.6	---	---
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## CONTAMINATION

Silicon	ppm	244	216	---	---
Sodium	ppm	5	5	---	---
Potassium	ppm	2	5	---	---



## WEAR METALS

Iron	ppm	1569	1343	---	---
Copper	ppm	208	199	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	23	15	---	---
Aluminum	ppm	32	30	---	---
Chromium	ppm	23	19	---	---
Molybdenum	ppm	4	0	---	---
Nickel	ppm	10	9	---	---
Titanium	ppm	2	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	19	16	---	---
Vanadium	ppm	<1	<1	---	---



## ADDITIVES

Calcium	ppm	3922	4395	---	---
Magnesium	ppm	15	10	---	---
Zinc	ppm	1616	1658	---	---
Phosphorus	ppm	1311	1302	---	---
Barium	ppm	0	0	---	---
Boron	ppm	119	112	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Bearing and/or bushing 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.

**Depot:** VOLVO0093  
**Unique No:** 10536428  
**Signed:** Don Baldrige  
**Report Date:** 02 Jul 2023



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## GRAPHS

