



# CONSTRUCTION EQUIPMENT

## ROYAL BEDROCK VOLVO L330E 62219 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP392462

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP392462	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### STRONGCO EQUIPMENT

54 IBER ROAD

OTTAWA, ON

CA K2S 1E8

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### OIL CONDITION

Visc @ 40°C	cSt	153	---	---	---
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### CONTAMINATION

Silicon	ppm	70	---	---	---
Sodium	ppm	16	---	---	---
Potassium	ppm	12	---	---	---



### WEAR METALS

Iron	ppm	140	---	---	---
Copper	ppm	55	---	---	---
Lead	ppm	9	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	42	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	2553	---	---	---
Magnesium	ppm	42	---	---	---
Zinc	ppm	506	---	---	---
Phosphorus	ppm	677	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	9	---	---	---

### 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 flush the component thoroughly before re-filling with oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Copper ppm levels are abnormal. Aluminum ppm levels are noted. Bearing and/or bushing wear is indicated. We have assumed that this component is not breaking in (age of component not reported). Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. Viscosity of sample indicates oil is within SAE 50 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** SHESTI

**Unique No:** 5629566

**Signed:** Kevin Marson

**Report Date:** 18 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

