



CONSTRUCTION EQUIPMENT

ROYAL BEDROCK VOLVO L330E 62219 - FRONT LEFT FINAL DRIVE



Sample No: VCP392463

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP392463	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD

OTTAWA, ON

CA K2S 1E8

Contact: Jason Hiles

jhiles@strongco.com

T:

F: (613)836-2614



OIL CONDITION

Visc @ 40°C	cSt	■ 46.2	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 55	---	---	---
Sodium	ppm	■ 8	---	---	---
Potassium	ppm	■ 10	---	---	---



WEAR METALS

Iron	ppm	■ 138	---	---	---
Copper	ppm	▲ 56	---	---	---
Lead	ppm	■ 8	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 39	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2572	---	---	---
Magnesium	ppm	■ 37	---	---	---
Zinc	ppm	■ 507	---	---	---
Phosphorus	ppm	■ 689	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 10	---	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. 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 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. Light concentration of visible metal present. 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. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHESTI

Unique No: 5629565

Signed: Kevin Marson

Report Date: 22 Aug 2023

Contact/Location: Jason Hiles - SHESTI



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GRAPHS

