



CONSTRUCTION EQUIPMENT

572727 ALL COUNTY RE VOLVO L110H 631017 - REAR AXLE



Sample No: VCP450652
Oil Type: VOLVO WB 102
Job No: 572727 ALL COUNTY RE



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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 TAMPA, FL
 US 33619
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SAMPLE INFORMATION

Sample Number	VCP450652	VCP191718	---	---
Sample Date	29 May 2024	28 Apr 2017	---	---
Machine Hours	12291	2059	---	---
Oil Hours	0	2059	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	SEVERE	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 40.6	█ 40.61	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 30	█ 18	---	---
Sodium	ppm	█ 3	█ 4	---	---
Potassium	ppm	█ 0	█ 0	---	---



WEAR METALS

Iron	ppm	▲ 1741	▲ 565	---	---
Copper	ppm	█ 4	█ 3	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 13	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ 12	█ 8	---	---
Molybdenum	ppm	█ 201	█ 10	---	---
Nickel	ppm	█ 7	█ 2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 15	█ 14	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 3973	█ 4136	---	---
Magnesium	ppm	█ 21	█ 18	---	---
Zinc	ppm	█ 1592	█ 1598	---	---
Phosphorus	ppm	█ 1322	█ 1431	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 163	█ 113	---	---

Diagnosis

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. The iron level is severe. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0093
Unique No: 11070551
Signed: Don Baldrige
Report Date: 10 Jun 2024



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GRAPHS

