



CONSTRUCTION EQUIPMENT

225089 JMK VOLVO L90H 625422 - REAR AXLE



Sample No: VCP426743
Oil Type: VOLVO WB 102
Job No: 225089 JMK



SAMPLE INFORMATION

Sample Number	VCP426743	VCP239475	---	---
Sample Date	14 Aug 2023	04 May 2020	---	---
Machine Hours	11125	50	---	---
Oil Hours	0	50	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	SEVERE	ABNORMAL	---	---

PACWEST MACHINERY

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OIL CONDITION

Visc @ 40°C	cSt	■ 38.8	■ 40.2	---	---
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CONTAMINATION

Silicon	ppm	■ 35	■ 20	---	---
Sodium	ppm	■ 10	■ 11	---	---
Potassium	ppm	■ 0	■ 0	---	---



WEAR METALS

Iron	ppm	● 6894	■ 61	---	---
Copper	ppm	■ 80	■ 5	---	---
Lead	ppm	■ 0	■ 2	---	---
Tin	ppm	■ 9	■ 0	---	---
Aluminum	ppm	■ 11	■ 1	---	---
Chromium	ppm	● 75	■ 3	---	---
Molybdenum	ppm	■ 28	■ 2	---	---
Nickel	ppm	● 28	■ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 49	■ 7	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 3700	■ 4809	---	---
Magnesium	ppm	■ 28	■ 14	---	---
Zinc	ppm	■ 1472	1951	---	---
Phosphorus	ppm	■ 1296	■ 1550	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 146	■ 145	---	---

Diagnosis

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. 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: VOLVO1271
Unique No: 10619187
Signed: Don Baldrige
Report Date: 26 Aug 2023



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GRAPHS

