



CONSTRUCTION EQUIPMENT

550401683 LKQ VOLVO L90H 625142 - FRONT AXLE



Sample No: VCP435187
Oil Type: VOLVO WB 102
Job No: 550401683 LKQ



SAMPLE INFORMATION

Sample Number	VCP435187	VCP369153	VCP285237	---
Sample Date	15 Sep 2023	12 Jan 2023	14 Sep 2020	---
Machine Hours	6000	0	1073	---
Oil Hours	0	0	1000	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

Visc @ 40°C	cSt	43.0	41.1	40.0	---
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CONTAMINATION

Silicon	ppm	14	9	14	---
Sodium	ppm	2	1	10	---
Potassium	ppm	0	2	0	---



WEAR METALS

Iron	ppm	27	16	41	---
Copper	ppm	0	13	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	3	<1	<1	---
Chromium	ppm	<1	<1	2	---
Molybdenum	ppm	<1	<1	10	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	1	<1	7	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3906	3259	4386	---
Magnesium	ppm	19	7	11	---
Zinc	ppm	1626	1387	1729	---
Phosphorus	ppm	1317	1209	1384	---
Barium	ppm	0	1	0	---
Boron	ppm	158	111	122	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO4486
Unique No: 10670889
Signed: Don Baldrige
Report Date: 01 Oct 2023



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GRAPHS

