



CONSTRUCTION EQUIPMENT

9458 VOLVO C120H 632611 - FRONT AXLE



Sample No: VCP413657
Oil Type: VOLVO WB 102
Job No: 9458



SAMPLE INFORMATION

Sample Number	VCP413657	VCP365921	VCP344237	---
Sample Date	11 Aug 2023	19 Aug 2022	28 Jan 2022	---
Machine Hours	3985	2230	1149	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.4	47.0	40.5	---
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CONTAMINATION

Silicon	ppm	16	14	15	---
Sodium	ppm	0	4	3	---
Potassium	ppm	2	2	1	---

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.



WEAR METALS

Iron	ppm	57	107	96	---
Copper	ppm	<1	<1	1	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	<1	---
Chromium	ppm	1	3	4	---
Molybdenum	ppm	2	11	99	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	4	7	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	4146	3296	4137	---
Magnesium	ppm	33	106	9	---
Zinc	ppm	1619	1422	1472	---
Phosphorus	ppm	1311	1164	1419	---
Barium	ppm	2	0	0	---
Boron	ppm	153	128	155	---

Depot: VOLVO0150
Unique No: 10607557
Signed: Don Baldrige
Report Date: 18 Aug 2023



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GRAPHS

