



CONSTRUCTION EQUIPMENT

VOLVO L220H 3546 - FRONT AXLE



Sample No: VCP441754
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP441754	VCP431047	VCP429836	---
Sample Date	22 Apr 2024	31 Jan 2024	30 Nov 2023	---
Machine Hours	3144	1987	1082	---
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	53.3	50.2	42.7	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	23	14	14	---
Sodium	ppm	0	<1	4	---
Potassium	ppm	2	0	5	---

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	96	78	181	---
Copper	ppm	<1	0	1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	<1	<1	---
Chromium	ppm	2	2	4	---
Molybdenum	ppm	8	4	4	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	4	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	4552	3132	3651	---
Magnesium	ppm	78	40	5	---
Zinc	ppm	1958	1331	1511	---
Phosphorus	ppm	1645	1095	1248	---
Barium	ppm	0	0	0	---
Boron	ppm	180	102	118	---

Depot: VOLVO1835
Unique No: 11006776
Signed: Jonathan Hester
Report Date: 05 May 2024



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GRAPHS

