



CONSTRUCTION EQUIPMENT

VOLVO L220H 3301 - REAR AXLE



Sample No: VCP375290
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP375290	VCP360583	---	---
Sample Date	20 Jan 2023	25 Feb 2022	---	---
Machine Hours	3610	2822	---	---
Oil Hours	3610	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ARNOLD MACHINERY COMPANY
 3330 NORTH YELLOWSTONE HIGHWAY
 IDAHO FALLS, ID
 US 83401
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	50.4	41.7	---	---
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CONTAMINATION

Silicon	ppm	19	9	---	---
Sodium	ppm	1	9	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	14	30	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3382	3412	---	---
Magnesium	ppm	25	11	---	---
Zinc	ppm	1380	1454	---	---
Phosphorus	ppm	1057	1180	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	117	127	---	---

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: VOLVO0077
Unique No: 10312123
Signed: Wes Davis
Report Date: 30 Jan 2023



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GRAPHS

