



CONSTRUCTION EQUIPMENT

D12626 VOLVO L120F 72094 - REAR AXLE



Sample No: VCP419005
Oil Type: VOLVO WB 102
Job No: D12626



SAMPLE INFORMATION

Sample Number	VCP419005	VCP300670	---	---
Sample Date	17 Aug 2023	27 Oct 2022	---	---
Machine Hours	7021	6635	---	---
Oil Hours	386	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	SEVERE	SEVERE	---	---

ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
 13001 W SILVERE SPRING DR
 BUTLER, WI
 US 53007
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 T: (262)282-0715
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OIL CONDITION

Visc @ 40°C	cSt	█ 47.2	█ 76.2	---	---
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CONTAMINATION

Water	%	🔴 1.11	🔴 5.15	---	---
Silicon	ppm	█ 40	🔴 171	---	---
Sodium	ppm	█ 3	█ 10	---	---
Potassium	ppm	█ 1	█ 9	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

Iron	ppm	█ 139	█ 419	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ <1	█ 3	---	---
Aluminum	ppm	█ 12	▲ 68	---	---
Chromium	ppm	█ 1	█ 4	---	---
Molybdenum	ppm	█ 0	2	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	<1	4	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 1	4	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 3949	3479	---	---
Magnesium	ppm	█ 22	51	---	---
Zinc	ppm	█ 1619	1465	---	---
Phosphorus	ppm	█ 1272	1172	---	---
Barium	ppm	█ 0	2	---	---
Boron	ppm	█ 133	131	---	---

Depot: VOLVO0069
Unique No: 10616455
Signed: Don Baldrige
Report Date: 23 Aug 2023



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GRAPHS

