



CONSTRUCTION EQUIPMENT

5586 VOLVO EC460CL 110437 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCP290601
Oil Type: {unknown}
Job No: 5586



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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SAMPLE INFORMATION

Sample Number	VCP290601	---	---	---
Sample Date	06 Jan 2021	---	---	---
Machine Hours	6082	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 79.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 248	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 13	---	---	---



WEAR METALS

Iron	ppm	▲ 1760	---	---	---
Copper	ppm	▲ 288	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminum	ppm	● 58	---	---	---
Chromium	ppm	▲ 16	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	9	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	7	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	30	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	34	---	---	---
Phosphorus	ppm	1877	---	---	---
Barium	ppm	6	---	---	---
Boron	ppm	151	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8882
Unique No: 9313207
Signed: Don Baldrige
Report Date: 11 Jan 2021



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GRAPHS

