



CONSTRUCTION EQUIPMENT

34888-2 VOLVO EC350EL 314824 - REAR LEFT FINAL DRIVE



Sample No: VCP391267
Oil Type: GEAR OIL SAE 80W90
Job No: 34888-2



SAMPLE INFORMATION

Sample Number	VCP391267	---	---	---
Sample Date	17 May 2024	---	---	---
Machine Hours	466	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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 US 84119
 Contact: JUSTIN BENCH
 JUSTIN.BENCH@ARNOLDMACHINERY.COM
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OIL CONDITION

Visc @ 40°C	cSt	█ 175	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 368	---	---	---
Sodium	ppm	█ 21	---	---	---
Potassium	ppm	█ 27	---	---	---



WEAR METALS

Iron	ppm	▲ 643	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	● 87	---	---	---
Chromium	ppm	█ 10	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 10	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 67	---	---	---
Magnesium	ppm	█ 17	---	---	---
Zinc	ppm	█ 5	---	---	---
Phosphorus	ppm	█ 311	---	---	---
Barium	ppm	█ 11	---	---	---
Boron	ppm	█ 0	---	---	---

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 recommend an early resample to monitor this condition. 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: VOLVO8770
Unique No: 11046321
Signed: Sean Felton
Report Date: 28 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

