



CONSTRUCTION EQUIPMENT

X58459 VOLVO EC350EL 314368 - REAR LEFT FINAL DRIVE



Sample No: VCP406522
Oil Type: NOT GIVEN
Job No: x58459



SAMPLE INFORMATION

Sample Number	VCP406522	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	1476	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 181	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 368	---	---	---
Sodium	ppm	█ 10	---	---	---
Potassium	ppm	█ 26	---	---	---

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. Resample at the next service interval to monitor. Gear wear is indicated. All other metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 911	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 89	---	---	---
Chromium	ppm	▲ 24	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	11	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	24	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	13	---	---	---
Phosphorus	ppm	259	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: SCOSAI
Unique No: 10619191
Signed: Don Baldrige
Report Date: 26 Aug 2023



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GRAPHS

