



CONSTRUCTION EQUIPMENT

X58196 VOLVO EC350EL 314462 - REAR LEFT FINAL DRIVE



Sample No: VCP426311
Oil Type: NOT GIVEN
Job No: X58196



SAMPLE INFORMATION

Sample Number	VCP426311	---	---	---
Sample Date	03 Jul 2023	---	---	---
Machine Hours	1169	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 174	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 694	---	---	---
Sodium	ppm	█ 18	---	---	---
Potassium	ppm	█ 44	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. 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	▲ 1463	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 163	---	---	---
Chromium	ppm	▲ 34	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	17	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	35	---	---	---
Magnesium	ppm	25	---	---	---
Zinc	ppm	5	---	---	---
Phosphorus	ppm	330	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	<1	---	---	---

Depot: SCOSAI
Unique No: 10548318
Signed: Don Baldrige
Report Date: 10 Jul 2023



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GRAPHS

