



CONSTRUCTION EQUIPMENT

G08058 VOLVO EC350 310866 - RIGHT FINAL DRIVE



Sample No: VCP435253

Oil Type: NOT GIVEN

Job No: G08058



SAMPLE INFORMATION

Sample Number	VCP435253	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	5172	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

HOFFMAN EQUIPMENT - DEPTFORD

1330 HURFFVILLE ROAD

DEPTFORD, NJ

US 08096

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OIL CONDITION

Visc @ 40°C	cSt	■ 192	---	---	---
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CONTAMINATION

Water	%	▲ 0.310	---	---	---
Silicon	ppm	◆ 3084	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 46	---	---	---



WEAR METALS

Iron	ppm	◆ 8689	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 338	---	---	---
Chromium	ppm	◆ 83	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	▲ 11	---	---	---
Titanium	ppm	■ 41	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 54	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 47	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 19	---	---	---
Phosphorus	ppm	■ 475	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 22	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8880

Unique No: 10767300

Signed: Sean Felton

Report Date: 05 Dec 2023



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GRAPHS

