



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 310135 - FRONT LEFT FINAL DRIVE



Sample No: VCP429884
Oil Type: GEAR OIL LS 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP429884	---	---	---
Sample Date	06 Nov 2023	---	---	---
Machine Hours	2280	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

TRAFALGAR HOMES OF TEXAS
 PO BOX 65
 STEPHENVILLE, TX
 US 76401
 Contact: MEGAN LETHERWOOD
 megleatherwood7@gmail.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 130	---	---	---
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CONTAMINATION

Water	%	█ 0.093	---	---	---
Silicon	ppm	● 504	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 13	---	---	---



WEAR METALS

Iron	ppm	● 2179	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 51	---	---	---
Chromium	ppm	▲ 14	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 17	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	360	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 32	---	---	---
Phosphorus	ppm	█ 890	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 138	---	---	---

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. High concentration of visible metal present. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: TRASTETX
Unique No: 10739705
Signed: Sean Felton
Report Date: 15 Nov 2023



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GRAPHS

