



CONSTRUCTION EQUIPMENT

VOLVO EC350EL 314117 - FRONT LEFT FINAL DRIVE



Sample No: VCP424062
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:



SAMPLE INFORMATION

Sample Number	VCP424062	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	4656	---	---	---
Oil Hours	101	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

365 - ASCENDUM MACHINERY INC - SAVANNAH
 1627 DEAN FOREST RD
 SAVANNAH, GA
 US 31408
 Contact: NATHAN WAYMENT
 nathan.wayment@ascendummachinery.com
 T:
 F: (912)964-9515



OIL CONDITION

Visc @ 40°C	cSt	█ 61.2	---	---	---
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CONTAMINATION

Silicon	ppm	◆ 442	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 8	---	---	---



WEAR METALS

Iron	ppm	◆ 1569	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 69	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 44	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 37	---	---	---
Phosphorus	ppm	█ 2083	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 34	---	---	---

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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe for time on oil. 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: VOLVO8531
Unique No: 10682946
Signed: Don Baldrige
Report Date: 10 Oct 2023



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GRAPHS

