



CONSTRUCTION EQUIPMENT

467711 DCF VOLVO EC350 310329 - REAR LEFT FINAL DRIVE



Sample No: VCP439088
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 467711 DCF



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP439088	---	---	---
Sample Date	25 Jan 2024	---	---	---
Machine Hours	6518	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 715	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2571	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	● 6718	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	▲ 142	---	---	---
Chromium	ppm	● 65	---	---	---
Molybdenum	ppm	■ 12	---	---	---
Nickel	ppm	■ 10	---	---	---
Titanium	ppm	■ 15	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 38	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 146	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 60	---	---	---
Phosphorus	ppm	■ 941	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 143	---	---	---

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. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10857290
Signed: Sean Felton
Report Date: 01 Feb 2024



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GRAPHS

