



CONSTRUCTION EQUIPMENT

375637 VOLVO EC300 310153 - SWING DRIVE



Sample No: VCP435802
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 375637



SAMPLE INFORMATION

Sample Number	VCP435802	---	---	---
Sample Date	04 Oct 2023	---	---	---
Machine Hours	5303	---	---	---
Oil Hours	4300	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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 TAMPA, FL
 US 33619
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OIL CONDITION

Visc @ 40°C	cSt	■ 249	---	---	---
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CONTAMINATION

Water	%	◆ 5.00	---	---	---
Silicon	ppm	■ 71	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	◆ 8824	---	---	---
Copper	ppm	▲ 119	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	◆ 91	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 57	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 40	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 80	---	---	---
Phosphorus	ppm	■ 441	---	---	---
Barium	ppm	■ 8	---	---	---
Boron	ppm	■ 16	---	---	---

Diagnosis

We advise that you check for the source of water entry. 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. Bearing and/or gear wear is indicated. Appearance is unacceptable. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10709576
Signed: Sean Felton
Report Date: 25 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

