



CONSTRUCTION EQUIPMENT

SWO-068096 VOLVO EC480E 314549 - LEFT SWING DRIVE



Sample No: VCP435542
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-068096



COWIN EQUIPMENT COMPANY INC
 1501 HWY 78 EAST
 OXFORD, AL
 US 36203
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SAMPLE INFORMATION

Sample Number	VCP435542	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	4060	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 317	---	---	---
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CONTAMINATION

Water	%	▲ 1.05	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 110	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 81	---	---	---
Magnesium	ppm	■ 25	---	---	---
Zinc	ppm	■ 83	---	---	---
Phosphorus	ppm	■ 1048	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 131	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: COWOXF
Unique No: 10788996
Signed: Don Baldrige
Report Date: 17 Dec 2023



CONSTRUCTION EQUIPMENT



GRAPHS

