



CONSTRUCTION EQUIPMENT

W07013189-2 VOLVO EC250E 3 10555 - SWING DRIVE



Sample No: VCP409407
Oil Type: GEAR OIL SAE 80W90
Job No: W07013189-2



SAMPLE INFORMATION

Sample Number	VCP409407	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	1841	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	█ 231	---	---	---
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CONTAMINATION

Water	%	◆ 1.63	---	---	---
Silicon	ppm	█ 51	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The chromium level is abnormal. All other component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	█ 932	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	▲ 21	---	---	---
Molybdenum	ppm	█ 23	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1879	---	---	---
Magnesium	ppm	█ 472	---	---	---
Zinc	ppm	█ 676	---	---	---
Phosphorus	ppm	█ 1778	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 276	---	---	---

Depot: VOLVO8882
Unique No: 10602877
Signed: Don Baldrige
Report Date: 15 Aug 2023



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GRAPHS

