



CONSTRUCTION EQUIPMENT

W07013757-1 VOLVO EC250E 3 10207 - REAR LEFT FINAL DRIVE



Sample No: VCP413321
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: W07013757-1



SAMPLE INFORMATION

Sample Number	VCP413321	VCP408823	VCP386318	---
Sample Date	14 Nov 2023	11 May 2023	26 Oct 2022	---
Machine Hours	2527	2038	1656	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	ABNORMAL	ABNORMAL	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
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OIL CONDITION

Visc @ 40°C	cSt	332	305	144	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	374	119	247	---
Sodium	ppm	6	5	3	---
Potassium	ppm	7	7	15	---

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 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 is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	645	295	616	---
Copper	ppm	1	0	1	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	51	21	58	---
Chromium	ppm	9	5	12	---
Molybdenum	ppm	<1	<1	1	---
Nickel	ppm	<1	1	0	---
Titanium	ppm	4	2	3	---
Silver	ppm	0	0	0	---
Manganese	ppm	6	4	8	---
Vanadium	ppm	<1	<1	<1	---



ADDITIVES

Calcium	ppm	7	35	14	---
Magnesium	ppm	0	6	6	---
Zinc	ppm	<1	16	25	---
Phosphorus	ppm	974	1047	955	---
Barium	ppm	0	0	0	---
Boron	ppm	161	191	74	---

Depot: VOLVO8882
Unique No: 10751904
Signed: Jonathan Hester
Report Date: 29 Nov 2023



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GRAPHS

