



CONSTRUCTION EQUIPMENT

VOLVO EC250EL 314172 - SWING DRIVE



Sample No: VCP438769
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP438769	VCP439480	VCP407156	---
Sample Date	14 May 2024	23 Jan 2024	02 Oct 2023	---
Machine Hours	3232	0	2232	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

CITY CARTING
 221 OLD GATE LN
 MILFORD, CT
 US 06460
 Contact: TAVINS BANKS
 tavins@citycart.net
 T: (203)223-3885
 F:



OIL CONDITION

Visc @ 40°C	cSt	■ 141	● 143	■ 145	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	■ 4	■ 5	■ 8	---
Sodium	ppm	■ 0	■ 0	■ 0	---
Potassium	ppm	■ 0	■ <1	■ <1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 169	■ 152	■ 493	---
Copper	ppm	■ 3	■ 3	■ 10	---
Lead	ppm	■ 0	■ 0	■ <1	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ 0	■ 2	■ 0	---
Chromium	ppm	■ 1	■ 2	■ 5	---
Molybdenum	ppm	■ 0	● <1	■ <1	---
Nickel	ppm	■ 0	■ 0	■ <1	---
Titanium	ppm	0	■ 0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	■ 2	■ 2	■ 6	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 19	● 18	■ 44	---
Magnesium	ppm	■ 0	● <1	■ <1	---
Zinc	ppm	■ 0	● 9	■ 39	---
Phosphorus	ppm	■ 2049	● 1887	■ 1685	---
Barium	ppm	■ 0	■ <1	■ 2	---
Boron	ppm	■ 209	● 189	■ 71	---

Depot: CITMILCON
Unique No: 11056528
Signed: Don Baldrige
Report Date: 31 May 2024



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GRAPHS

