



CONSTRUCTION EQUIPMENT

600106 CRC VOLVO EC160E 310147 - SWING DRIVE



Sample No: VCP346234
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 600106 CRC



SAMPLE INFORMATION

Sample Number	VCP346234	VCP371482	VCP300194	---
Sample Date	31 Mar 2023	09 Jan 2023	16 Mar 2021	---
Machine Hours	0	10533	5652	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	ATTENTION	ATTENTION	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 87.9	▲ 90.2	■ 173	---
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CONTAMINATION

Silicon	ppm	■ 9	■ 8	■ 3	---
Sodium	ppm	■ 0	■ <1	■ 2	---
Potassium	ppm	■ 2	■ <1	■ <1	---



WEAR METALS

Iron	ppm	■ 254	■ 227	■ 68	---
Copper	ppm	■ 9	■ 8	■ 6	---
Lead	ppm	■ <1	■ 0	■ 0	---
Tin	ppm	■ 0	■ 0	■ 0	---
Aluminum	ppm	■ <1	■ <1	■ 0	---
Chromium	ppm	■ 2	■ 2	■ <1	---
Molybdenum	ppm	■ 0	■ <1	■ 0	---
Nickel	ppm	■ <1	■ 0	■ <1	---
Titanium	ppm	■ <1	■ <1	■ <1	---
Silver	ppm	■ 0	■ 0	■ 0	---
Manganese	ppm	■ 2	■ 2	■ <1	---
Vanadium	ppm	■ 0	■ 0	■ 0	---



ADDITIVES

Calcium	ppm	▲ 27	▲ 27	■ 14	---
Magnesium	ppm	■ 2	■ 1	■ 1	---
Zinc	ppm	▲ 283	▲ 258	■ 52	---
Phosphorus	ppm	■ 993	■ 870	■ 1198	---
Barium	ppm	■ 2	■ 0	■ 0	---
Boron	ppm	■ 86	■ 62	■ 174	---

Diagnosis
No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VOLVO1271
Unique No: 10662069
Signed: Sean Felton
Report Date: 27 Sep 2023



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GRAPHS

