



CONSTRUCTION EQUIPMENT

3260BO FLYWAY VOLVO EC250EL 314125 - REAR RIGHT FINAL DRIVE



Sample No: VCP371178
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 3260BO FLYWAY



SAMPLE INFORMATION

Sample Number	VCP371178	---	---	---
Sample Date	13 Mar 2023	---	---	---
Machine Hours	498	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

HIGHWAY EQUIPMENT AND SUPPLY CO
 200 BURKHOLDER DR.
 EPHRATA, PA
 US 17522
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OIL CONDITION

Visc @ 40°C	cSt	█ 179	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 242	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 11	---	---	---

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. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 674	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 49	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 9	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 395	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: INSEPH
Unique No: 10387712
Signed: Don Baldrige
Report Date: 24 Mar 2023



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GRAPHS

