



CONSTRUCTION EQUIPMENT

19571 LANE-BLYTHE VOLVO EC750EL 314008 - REAR RIGHT FINAL DRIVE



Sample No: VCP435312
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 19571 LANE-BLYTHE



SAMPLE INFORMATION

Sample Number	VCP435312	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	7341	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	▲ 234	---	---	---
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CONTAMINATION

Silicon	ppm	● 1085	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 23	---	---	---



WEAR METALS

Iron	ppm	● 3023	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	▲ 138	---	---	---
Chromium	ppm	▲ 16	---	---	---
Molybdenum	ppm	■ 24	---	---	---
Nickel	ppm	■ 5	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 17	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 663	---	---	---
Magnesium	ppm	■ 163	---	---	---
Zinc	ppm	■ 200	---	---	---
Phosphorus	ppm	■ 447	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 49	---	---	---

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 advise that you inspect for the source(s) of wear. 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 viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8769
Unique No: 10644279
Signed: Don Baldrige
Report Date: 14 Sep 2023



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GRAPHS

