



CONSTRUCTION EQUIPMENT

X13689 VOLVO EW60E 315967 - FRONT RIGHT FINAL DRIVE



Sample No: VCP400322
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X13689



SAMPLE INFORMATION

Sample Number	VCP400322	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	468	---	---	---
Oil Hours	468	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 143	---	---	---
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CONTAMINATION

Water	%	█ 0.078	---	---	---
Silicon	ppm	█ 65	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in. 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	▲ 733	---	---	---
Copper	ppm	▲ 397	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 26	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 327	---	---	---
Phosphorus	ppm	█ 786	---	---	---
Barium	ppm	█ 39	---	---	---
Boron	ppm	█ 67	---	---	---

Depot: VOLVO6241
Unique No: 10768659
Signed: Don Baldrige
Report Date: 06 Dec 2023



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GRAPHS

