



CONSTRUCTION EQUIPMENT

X13689 VOLVO EW60E 315967 - FRONT LEFT FINAL DRIVE



Sample No: VCP399222
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X13689



SAMPLE INFORMATION

Sample Number	VCP399222	---	---	---
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	%	NEG	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 564	---	---	---
Copper	ppm	▲ 452	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 19	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 21	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 323	---	---	---
Phosphorus	ppm	█ 773	---	---	---
Barium	ppm	█ 36	---	---	---
Boron	ppm	█ 79	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. High concentration of visible metal present. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO6241
Unique No: 10768676
Signed: Don Baldrige
Report Date: 06 Dec 2023



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GRAPHS

