



CONSTRUCTION EQUIPMENT

639020 TUCKER PAVING VOLVO EC550EL 310196 - REAR LEFT FINAL DRIVE



Sample No: VCP454180
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 639020 TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP454180	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	1236	---	---	---
Oil Hours	1236	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 173	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 615	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 9	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 7	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 11	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 0	---	---	---
Phosphorus	ppm	█ 300	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

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. 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.

Depot: VOLVO0093
Unique No: 10862332
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

