



CONSTRUCTION EQUIPMENT

SPM660661-10 VOLVO EC200 314412 - REAR LEFT FINAL DRIVE



Sample No: VCP442547
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SPM660661-10



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP442547	---	---	---
Sample Date	03 Feb 2024	---	---	---
Machine Hours	2089	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 145	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 1039	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 11	---	---	---



WEAR METALS

Iron	ppm	● 3852	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 46	---	---	---
Chromium	ppm	● 30	---	---	---
Molybdenum	ppm	█ 5	---	---	---
Nickel	ppm	▲ 10	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 30	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 44	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 16	---	---	---
Phosphorus	ppm	█ 81	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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 is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0093
Unique No: 10875819
Signed: Sean Felton
Report Date: 15 Feb 2024



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GRAPHS

