



CONSTRUCTION EQUIPMENT

701908 MOSAIC TAKEUCHI TB2150 514601123 - REAR RIGHT FINAL DRIVE



Sample No: VCP437292
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701908 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP437292	---	---	---
Sample Date	17 Apr 2024	---	---	---
Machine Hours	967	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 249	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 333	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 17	---	---	---

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 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.



WEAR METALS

Iron	ppm	▲ 1363	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	● 24	---	---	---
Chromium	ppm	▲ 14	---	---	---
Molybdenum	ppm	■ 10	---	---	---
Nickel	ppm	■ 7	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 219	---	---	---
Magnesium	ppm	■ 60	---	---	---
Zinc	ppm	■ 169	---	---	---
Phosphorus	ppm	■ 942	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 119	---	---	---

Depot: VOLVO0093
Unique No: 11047529
Signed: Sean Felton
Report Date: 29 May 2024



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GRAPHS

