



CONSTRUCTION EQUIPMENT

554891 ALTA RENTS TAKEUCHI TL10 410006539 - REAR LEFT FINAL DRIVE



Sample No: VCP417320
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 554891 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP417320	VCP421082	---	---
Sample Date	31 May 2023	21 Mar 2023	---	---
Machine Hours	437	169	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 159	█ 157	---	---
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CONTAMINATION

Silicon	ppm	█ 47	█ 39	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ <1	█ 0	---	---

Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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	▲ 1310	▲ 695	---	---
Copper	ppm	█ 3	█ 2	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	▲ 16	█ 8	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ 2	█ <1	---	---
Titanium	ppm	1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 13	█ 8	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 113	█ 36	---	---
Magnesium	ppm	█ 2	█ <1	---	---
Zinc	ppm	█ 60	█ 41	---	---
Phosphorus	ppm	█ 278	█ 256	---	---
Barium	ppm	█ 0	█ 16	---	---
Boron	ppm	█ 11	█ 0	---	---

Depot: VOLVO0096
Unique No: 10499201
Signed: Sean Felton
Report Date: 07 Jun 2023



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GRAPHS

