



CONSTRUCTION EQUIPMENT

621895 ALTA RENTS TAKEUCHI TL6 406003097 - REAR LEFT FINAL DRIVE



Sample No: VCP430609
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 621895 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP430609	VCP370647	---	---
Sample Date	30 Oct 2023	12 Dec 2022	---	---
Machine Hours	472	206	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	143	158	---	---
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CONTAMINATION

Silicon	ppm	16	35	---	---
Sodium	ppm	2	3	---	---
Potassium	ppm	1	4	---	---

Diagnosis

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.



WEAR METALS

Iron	ppm	974	1055	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	3	---	---
Chromium	ppm	4	9	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	8	12	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	4	32	---	---
Magnesium	ppm	0	1	---	---
Zinc	ppm	39	60	---	---
Phosphorus	ppm	806	241	---	---
Barium	ppm	4	14	---	---
Boron	ppm	137	<1	---	---

Depot: VOLVO0096
Unique No: 10725294
Signed: Sean Felton
Report Date: 03 Nov 2023



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GRAPHS

