



CONSTRUCTION EQUIPMENT

607447 MANHIEM TAKEUCHI TL130 21303336 - REAR LEFT FINAL DRIVE



Sample No: VCP415603
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 607447 MANHIEM



SAMPLE INFORMATION

Sample Number	VCP415603	---	---	---
Sample Date	20 Sep 2023	---	---	---
Machine Hours	746	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 156	---	---	---
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CONTAMINATION

Silicon	ppm	█ 67	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---

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 component wear rates are normal. 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	▲ 774	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 29	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 71	---	---	---
Phosphorus	ppm	█ 272	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0096
Unique No: 10661335
Signed: Don Baldrige
Report Date: 26 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

