



# CONSTRUCTION EQUIPMENT

74854 LAKE CONWAY TAKEUCHI TB230R 130008591 - REAR LEFT FINAL DRIVE



**Sample No:** VCP445693  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 74854 LAKE CONWAY



## SAMPLE INFORMATION

Sample Number	VCP445693	---	---	---
Sample Date	19 Feb 2024	---	---	---
Machine Hours	1006	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 207	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 99	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ <1	---	---	---

## 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 metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	▲ 1117	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	▲ 25	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 16	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 105	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 208	---	---	---
Phosphorus	ppm	█ 751	---	---	---
Barium	ppm	█ 18	---	---	---
Boron	ppm	█ 108	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 10896986  
**Signed:** Don Baldrige  
**Report Date:** 26 Feb 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

