



# CONSTRUCTION EQUIPMENT

SWO-068518 TAKEUCHI TL6 406002994 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP428712  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWO-068518



## SAMPLE INFORMATION

Sample Number	VCP428712	VCP380797	---	---
Sample Date	27 Dec 2023	16 Jan 2023	---	---
Machine Hours	1840	674	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

### WHITAKER CONTRACTING

692 CONVICT CAMP RD  
GUNTERSVILLE, AL  
US 35976  
Contact: BROTHER WHITAKER  
BrotherWhitaker@whitaker-contracting.com  
T: (256)298-3905  
F:



## OIL CONDITION

Visc @ 40°C	cSt	█ 168	█ 167	---	---
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## CONTAMINATION

Water	%	█ 0.085	NEG	---	---
Silicon	ppm	█ 33	▲ 132	---	---
Sodium	ppm	█ 0	█ 4	---	---
Potassium	ppm	█ 0	█ 6	---	---

### Diagnosis

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	▲ 914	● 1630	---	---
Copper	ppm	█ 0	█ 3	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	▲ 14	---	---
Chromium	ppm	█ 1	▲ 18	---	---
Molybdenum	ppm	█ 0	█ 1	---	---
Nickel	ppm	█ 0	█ 7	---	---
Titanium	ppm	0	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 17	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	█ 6	█ 70	---	---
Magnesium	ppm	█ 0	█ 3	---	---
Zinc	ppm	█ 8	█ 67	---	---
Phosphorus	ppm	█ 383	316	---	---
Barium	ppm	█ 5	█ 5	---	---
Boron	ppm	█ 1	█ 2	---	---

**Depot:** WHIGUN  
**Unique No:** 10809854  
**Signed:** Jonathan Hester  
**Report Date:** 04 Jan 2024



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## GRAPHS

