



CONSTRUCTION EQUIPMENT

WO7012755-1 TAKEUCHI TL812Z 408004412 - REAR RIGHT FINAL DRIVE



Sample No: VCP409379
Oil Type: GEAR OIL SAE 75W90
Job No: WO7012755-1



SAMPLE INFORMATION

Sample Number	VCP409379	---	---	---
Sample Date	11 Aug 2023	---	---	---
Machine Hours	335	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

McClung-Logan Virginia LLC- RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
Contact: KYLE RATLIFFE
KRATLIFFE@MCCLUNG-LOGAN.COM
T:
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OIL CONDITION

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

Silicon	ppm	▲ 102	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 8	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Component wear metal level(s) high for break in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	◆ 1733	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 11	---	---	---
Chromium	ppm	▲ 16	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 18	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 14	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 66	---	---	---
Phosphorus	ppm	■ 389	---	---	---
Barium	ppm	■ 18	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO8882
Unique No: 10607559
Signed: Sean Felton
Report Date: 18 Aug 2023



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GRAPHS

