



CONSTRUCTION EQUIPMENT

064267 MID GA TAKEUCHI TL12V2 412002890 - REAR AXLE



Sample No: VCP388208
Oil Type: GEAR OIL SAE 80W90
Job No: 064267 MID GA



SAMPLE INFORMATION

Sample Number	VCP388208	---	---	---
Sample Date	01 Aug 2023	---	---	---
Machine Hours	1195	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

COWIN EQUIPMENT - ATLANTA
5710 RIVERVIEW RD
MABLETON, GA
US 30126
Contact: MIKE ANDREWS
mandrews@cowin.com
T: (404)690-7210
F:



OIL CONDITION

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

Silicon	ppm	▲ 156	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 8	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	◆ 1948	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 42	---	---	---
Chromium	ppm	▲ 24	---	---	---
Molybdenum	ppm	■ 2	---	---	---
Nickel	ppm	■ 11	---	---	---
Titanium	ppm	4	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 18	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 13	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 73	---	---	---
Phosphorus	ppm	■ 277	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: COWMAB
Unique No: 10586852
Signed: Don Baldrige
Report Date: 04 Aug 2023



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GRAPHS

