



CONSTRUCTION EQUIPMENT

674850 LAKE CONWAY TAKEUCHI TL8 408004880 - REAR LEFT FINAL DRIVE



Sample No: VCP446889
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 674850 LAKE CONWAY



SAMPLE INFORMATION

Sample Number	VCP446889	VCP398544	---	---
Sample Date	19 Feb 2024	03 Feb 2023	---	---
Machine Hours	380	32	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 160	█ 159	---	---
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CONTAMINATION

Water	%	█ 0.082	NEG	---	---
Silicon	ppm	█ 19	█ 11	---	---
Sodium	ppm	█ 5	█ 5	---	---
Potassium	ppm	█ 2	█ 3	---	---

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. 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	▲ 819	█ 397	---	---
Copper	ppm	█ 2	█ 1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 9	█ 6	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 11	█ 7	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 25	█ 9	---	---
Magnesium	ppm	█ 17	█ <1	---	---
Zinc	ppm	█ 53	█ 20	---	---
Phosphorus	ppm	█ 252	█ 304	---	---
Barium	ppm	█ 11	█ 14	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO0096
Unique No: 10896993
Signed: Don Baldrige
Report Date: 26 Feb 2024

VOLVO **GRAPHS**

