



CONSTRUCTION EQUIPMENT

515270 SUPERIOR TAKEUCHI TL12R2 412004923 - REAR RIGHT FINAL DRIVE



Sample No: VCP402348
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 515270 SUPERIOR



SAMPLE INFORMATION

Sample Number	VCP402348	---	---	---
Sample Date	28 Feb 2023	---	---	---
Machine Hours	1309	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 209	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	▲ 669	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 7	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 15	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 59	---	---	---
Phosphorus	ppm	■ 444	---	---	---
Barium	ppm	■ 4	---	---	---
Boron	ppm	■ 16	---	---	---

Diagnosis

No corrective action is recommended at this time. 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.

Depot: VOLVO0093
Unique No: 10377012
Signed: Sean Felton
Report Date: 17 Mar 2023



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GRAPHS

