



CONSTRUCTION EQUIPMENT

581592 S&H TAKEUCHI TL12V2 412103590 - REAR LEFT FINAL DRIVE



Sample No: VCP417370
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 581592 S&H



SAMPLE INFORMATION

Sample Number	VCP417370	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	1065	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 208	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 157	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	▲ 1314	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 13	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 143	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 83	---	---	---
Phosphorus	ppm	■ 737	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 61	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10620312
Signed: Sean Felton
Report Date: 28 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

