



CONSTRUCTION EQUIPMENT

SESI TAKEUCHI TL10 201002971 - REAR LEFT FINAL DRIVE



Sample No: VCP384033
Oil Type: GEAR OIL LS 80W90
Job No: SESI



SAMPLE INFORMATION

Sample Number	VCP384033	---	---	---
Sample Date	16 Dec 2022	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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 3779 RYDER BLVD
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OIL CONDITION

Visc @ 40°C	cSt	■ 194	---	---	---
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CONTAMINATION

Silicon	ppm	● 550	---	---	---
Sodium	ppm	■ 20	---	---	---
Potassium	ppm	■ 27	---	---	---



WEAR METALS

Iron	ppm	● 3971	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 184	---	---	---
Chromium	ppm	● 43	---	---	---
Molybdenum	ppm	■ 4	---	---	---
Nickel	ppm	▲ 12	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	33	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 58	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 58	---	---	---
Phosphorus	ppm	221	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	2	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. 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 oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8529
Unique No: 10272385
Signed: Doug Bogart
Report Date: 30 Dec 2022



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

