



CONSTRUCTION EQUIPMENT

SWA450923-20 M SQUAR TAKEUCHI TB235-2 123601919 - REAR RIGHT FINAL DRIVE



Sample No: VCP434295
Oil Type: VOLVO
Job No: SWA450923-20 M SQUAR



SAMPLE INFORMATION

Sample Number	VCP434295	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	1720	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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5151 DR MARTIN LUTHER KING BLVD
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US 33905
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OIL CONDITION

Visc @ 40°C	cSt	■ 93.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 298	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---



WEAR METALS

Iron	ppm	● 1893	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 22	---	---	---
Chromium	ppm	● 36	---	---	---
Molybdenum	ppm	20	---	---	---
Nickel	ppm	■ 8	---	---	---
Titanium	ppm	■ 20	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	26	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	3953	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	776	---	---	---
Phosphorus	ppm	617	---	---	---
Barium	ppm	15	---	---	---
Boron	ppm	21	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. 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: VOLVO0090
Unique No: 10831011
Signed: Jonathan Hester
Report Date: 16 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

