



CONSTRUCTION EQUIPMENT

9477 VOLVO EC300 311663 - REAR RIGHT FINAL DRIVE



Sample No: VCP439243

Oil Type: {unknown}

Job No: 9477



SAMPLE INFORMATION

Sample Number	VCP439243	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	2452	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



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OIL CONDITION

Visc @ 40°C	cSt	■ 280	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 187	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 18	---	---	---



WEAR METALS

Iron	ppm	▲ 590	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 32	---	---	---
Chromium	ppm	▲ 10	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	142	---	---	---
Magnesium	ppm	32	---	---	---
Zinc	ppm	40	---	---	---
Phosphorus	ppm	965	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	91	---	---	---

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. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 10842670
Signed: Don Baldrige
Report Date: 23 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

