



CONSTRUCTION EQUIPMENT

SWA364304 VOLVO EC480E 311299 - FRONT LEFT FINAL DRIVE



Sample No: VCP433570

Oil Type: NOT GIVEN

Job No: SWA364304



SAMPLE INFORMATION

Sample Number	VCP433570	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	5873	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 381	---	---	---
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CONTAMINATION

Silicon	ppm	● 1963	---	---	---
Sodium	ppm	■ 38	---	---	---
Potassium	ppm	■ 122	---	---	---



WEAR METALS

Iron	ppm	● 5308	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 251	---	---	---
Chromium	ppm	● 40	---	---	---
Molybdenum	ppm	6	---	---	---
Nickel	ppm	■ 8	---	---	---
Titanium	ppm	■ 22	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	41	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	1169	---	---	---
Magnesium	ppm	260	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	958	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	179	---	---	---



ALTA EQUIPMENT

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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: VOLV00142
 Unique No: 10661354
 Signed: Don Baldrige
 Report Date: 26 Sep 2023



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GRAPHS

