



# CONSTRUCTION EQUIPMENT

## SWA364304 VOLVO EC480E 31 1299 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP433568

**Oil Type:** NOT GIVEN

**Job No:** SWA364304



### SAMPLE INFORMATION

Sample Number	<b>VCP433568</b>	VCP269495	---	---
Sample Date	<b>19 Sep 2023</b>	12 May 2020	---	---
Machine Hours	<b>5873</b>	949	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>N/A</b>	Not Changd	---	---
Sample Status	<b>SEVERE</b>	NORMAL	---	---



### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 633</b>	77.0	---	---
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### CONTAMINATION

Water	%	<b>▲ 0.280</b>	---	---	---
Silicon	ppm	<b>◆ 2846</b>	■ 51	---	---
Sodium	ppm	■ 59	■ 4	---	---
Potassium	ppm	■ 163	■ 4	---	---



### WEAR METALS

Iron	ppm	<b>◆ 6279</b>	■ 336	---	---
Copper	ppm	■ 15	■ <1	---	---
Lead	ppm	■ <1	■ 1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	<b>▲ 350</b>	■ 12	---	---
Chromium	ppm	<b>◆ 43</b>	■ 5	---	---
Molybdenum	ppm	7	0	---	---
Nickel	ppm	<b>▲ 10</b>	■ <1	---	---
Titanium	ppm	<b>▲ 30</b>	■ 1	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	49	4	---	---
Vanadium	ppm	1	0	---	---



### ADDITIVES

Calcium	ppm	<b>1536</b>	201	---	---
Magnesium	ppm	<b>326</b>	4	---	---
Zinc	ppm	<b>17</b>	100	---	---
Phosphorus	ppm	<b>799</b>	1360	---	---
Barium	ppm	<b>0</b>	3	---	---
Boron	ppm	<b>118</b>	114	---	---

### 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. There is a light concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLV00142  
**Unique No:** 10661353  
**Signed:** Jonathan Hester  
**Report Date:** 27 Sep 2023



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## VOLVO GRAPHS

