



# CONSTRUCTION EQUIPMENT

SWA353593 USED EQUIP VOLVO EC380EL 310235 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP410326  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWA353593 USED EQUIP



**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
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## SAMPLE INFORMATION

Sample Number	VCP410326	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	7427	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 160	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 252	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 11	---	---	---



## WEAR METALS

Iron	ppm	▲ 1498	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 41	---	---	---
Chromium	ppm	▲ 20	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 13	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 218	---	---	---
Magnesium	ppm	█ 14	---	---	---
Zinc	ppm	█ 10	---	---	---
Phosphorus	ppm	█ 908	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 65	---	---	---

## 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 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:** VOLVO8885  
**Unique No:** 10642064  
**Signed:** Don Baldrige  
**Report Date:** 12 Sep 2023



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## GRAPHS

