



# CONSTRUCTION EQUIPMENT

567884 MOSAIC VOLVO EC380EL 3 14879 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP417570  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 567884 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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## SAMPLE INFORMATION

Sample Number	VCP417570	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	1116	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 179	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 352	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	▲ 1806	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 26	---	---	---
Chromium	ppm	▲ 54	---	---	---
Molybdenum	ppm	█ 6	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 21	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	22	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	11	---	---	---
Phosphorus	ppm	278	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	<1	---	---	---

## 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 metal levels are typical for a new component breaking in. 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:** 10574643  
**Signed:** Don Baldrige  
**Report Date:** 28 Jul 2023



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## VOLVO GRAPHS

