



# CONSTRUCTION EQUIPMENT

## SW-22232-2 MAVERICK VOLVO EC480E 315097 - LEFT SWING DRIVE



**Sample No:** VCP423001  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-22232-2 MAVERICK



### SAMPLE INFORMATION

Sample Number	VCP423001	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	679	---	---	---
Oil Hours	679	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
 2975 WEST 2100 SOUTH  
 SALT LAKE CITY, UT  
 US 84119  
 Contact: TONY PAYAN  
 tpayan@arnoldmachinery.com  
 T: (801)972-4000  
 F: (801)975-9434



### OIL CONDITION

Visc @ 40°C	cSt	█ 175	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 122	---	---	---
Copper	ppm	▲ 84	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 30	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 59	---	---	---
Phosphorus	ppm	█ 324	---	---	---
Barium	ppm	█ 4	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8770  
**Unique No:** 10589858  
**Signed:** Sean Felton  
**Report Date:** 08 Aug 2023



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## GRAPHS

