



# CONSTRUCTION EQUIPMENT

## SW-33848-2 MAVERICK VOLVO EC480E 315097 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP369534  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-33848-2 MAVERICK



**ARNOLD MACHINERY COMPANY**  
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### SAMPLE INFORMATION

Sample Number	VCP369534	VCP423007	---	---
Sample Date	10 May 2024	31 Jul 2023	---	---
Machine Hours	2422	679	---	---
Oil Hours	2422	679	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 185	█ 176	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 76	█ 8	---	---
Sodium	ppm	█ 4	█ 0	---	---
Potassium	ppm	█ 6	█ 3	---	---



### WEAR METALS

Iron	ppm	█ 1513	█ 337	---	---
Copper	ppm	█ 1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 17	█ 1	---	---
Chromium	ppm	█ 13	█ 3	---	---
Molybdenum	ppm	█ 175	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ 1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ 12	█ 4	---	---
Vanadium	ppm	█ <1	█ 0	---	---



### ADDITIVES

Calcium	ppm	█ 85	█ 11	---	---
Magnesium	ppm	█ 2	█ 2	---	---
Zinc	ppm	█ 22	█ 7	---	---
Phosphorus	ppm	█ 721	█ 296	---	---
Barium	ppm	█ 0	█ 4	---	---
Boron	ppm	█ 44	█ 0	---	---

### Diagnosis

Resample at the next service interval to monitor. All 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:** 11036057  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024



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## GRAPHS

