



# CONSTRUCTION EQUIPMENT

SMP632902 MILBRUN VOLVO ECR145EL 314529 - SWING DRIVE



**Sample No:** VCP429100  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SMP632902 MILBRUN



## SAMPLE INFORMATION

Sample Number	VCP429100	VCP404921	---	---
Sample Date	10 Nov 2023	24 Mar 2023	---	---
Machine Hours	2235	1710	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

**ALTA EQUIPMENT CO - ORLAND PARK**  
5000 INDUSTRIAL HWY  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 171	█ 195	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 10	█ 21	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ 1	█ 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.



## WEAR METALS

Iron	ppm	█ 38	█ 35	---	---
Copper	ppm	█ <1	█ 8	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 1	█ 2	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 641	█ 1815	---	---
Magnesium	ppm	█ 13	█ 25	---	---
Zinc	ppm	█ 275	█ 756	---	---
Phosphorus	ppm	█ 623	█ 745	---	---
Barium	ppm	█ 2	█ 0	---	---
Boron	ppm	█ 56	█ 7	---	---

**Depot:** VOLVO8885  
**Unique No:** 10767305  
**Signed:** Sean Felton  
**Report Date:** 05 Dec 2023



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## GRAPHS

