



# CONSTRUCTION EQUIPMENT

## SW30008 VOLVO EC950FL 410035 - RIGHT FINAL DRIVE



**Sample No:** VCP320939  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW30008



### SAMPLE INFORMATION

Sample Number	VCP320939	VCP441009	---	---
Sample Date	15 Feb 2024	15 Dec 2023	---	---
Machine Hours	2000	1985	---	---
Oil Hours	2000	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

**ARNOLD MACHINERY COMPANY**  
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 IDAHO FALLS, ID  
 US 83401  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 71.0	▲ 91.3	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	■ 7	■ 12	---	---
Sodium	ppm	■ 5	■ 0	---	---
Potassium	ppm	■ <1	■ <1	---	---

### Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

Iron	ppm	■ 79	■ 231	---	---
Copper	ppm	■ <1	■ 23	---	---
Lead	ppm	■ 1	■ 0	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 1	■ 2	---	---
Chromium	ppm	■ <1	■ 2	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 1	■ 3	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	■ 22	■ 4	---	---
Magnesium	ppm	■ 2	■ 2	---	---
Zinc	ppm	■ 18	■ 17	---	---
Phosphorus	ppm	■ 1515	■ 1545	---	---
Barium	ppm	■ 3	■ <1	---	---
Boron	ppm	■ 141	■ 183	---	---

**Depot:** VOLVO0077  
**Unique No:** 10898667  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024



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## GRAPHS

