



# CONSTRUCTION EQUIPMENT

X47542 VOLVO EC380EL 311913 - SWING DRIVE



**Sample No:** VCP439332  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** X47542



**SCOTT EQUIPMENT COMPANY LLC - Lavergne**  
 1231 BRIDGESTONE PARKWAY  
 LAVERGNE, TN  
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## SAMPLE INFORMATION

Sample Number	VCP439332	VCP340406	---	---
Sample Date	21 Mar 2024	23 Jun 2022	---	---
Machine Hours	6188	4252	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	ABNORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 159	141	---	---
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## CONTAMINATION

Water	%	▲ 5.46	▲ 0.876	---	---
Silicon	ppm	█ 24	█ 17	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ 2	█ <1	---	---



## WEAR METALS

Iron	ppm	█ 1190	█ 957	---	---
Copper	ppm	▲ 67	▲ 57	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 2	0	---	---
Aluminum	ppm	█ 5	4	---	---
Chromium	ppm	█ 10	7	---	---
Molybdenum	ppm	█ 0	<1	---	---
Nickel	ppm	█ <1	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 8	6	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 58	26	---	---
Magnesium	ppm	█ 4	1	---	---
Zinc	ppm	█ 86	67	---	---
Phosphorus	ppm	█ 966	919	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 25	30	---	---

## Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a very high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLV00129  
**Unique No:** 10943803  
**Signed:** Don Baldrige  
**Report Date:** 29 Mar 2024



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## GRAPHS

