



# CONSTRUCTION EQUIPMENT

X48970 CASE CX350 7P1469 - SWING DRIVE



**Sample No:** VCP455231

**Oil Type:** {unknown}

**Job No:** X48970



## SAMPLE INFORMATION

Sample Number	VCP455231	---	---	---
Sample Date	10 Jul 2024	---	---	---
Machine Hours	2811	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Lavergne**  
 1231 BRIDGESTONE PARKWAY  
 LAVERGNE, TN  
 US 37086  
 Contact: ANDY CHAMBERS  
 achambers@scottcompanies.com  
 T:  
 F: (615)793-9655



## OIL CONDITION

Visc @ 40°C	cSt	■ 251	---	---	---
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## CONTAMINATION

Water	%	▲ 4.47	---	---	---
Silicon	ppm	▲ 247	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 8	---	---	---

## 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Appearance is milky. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a high concentration of water present in the oil. There is a high amount of visible silt present in the sample. The oil is no longer serviceable due to the presence of contaminants.



## WEAR METALS

Iron	ppm	▲ 1795	---	---	---
Copper	ppm	▲ 219	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 9	---	---	---
Chromium	ppm	▲ 44	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	▲ 12	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	47	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	919	---	---	---
Magnesium	ppm	27	---	---	---
Zinc	ppm	305	---	---	---
Phosphorus	ppm	1187	---	---	---
Barium	ppm	13	---	---	---
Boron	ppm	211	---	---	---

**Depot:** VOLVO0129  
**Unique No:** 11124062  
**Signed:** Sean Felton  
**Report Date:** 16 Jul 2024

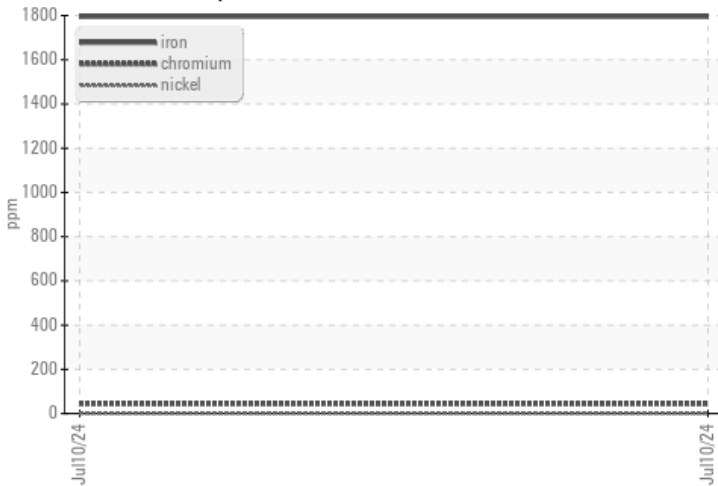


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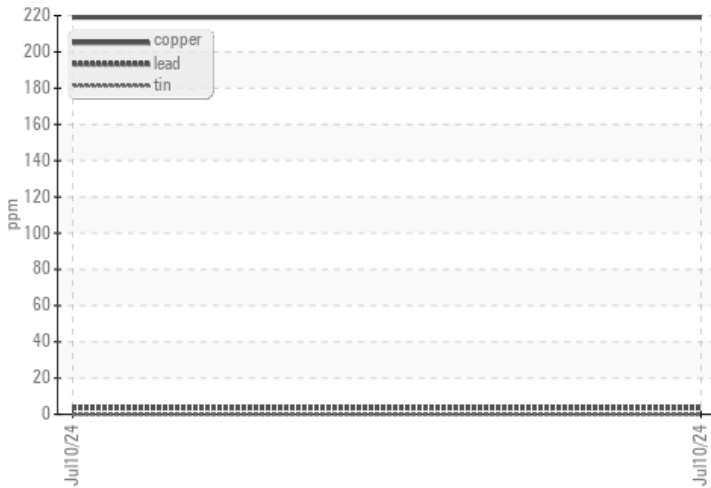


## GRAPHS

### ▲ Ferrous Alloys



### ▲ Non-ferrous Metals



### Viscosity @ 40°C

