



# CONSTRUCTION EQUIPMENT

SWA420381 VOLVO EC480 315263 - HYDRAULIC SYSTEM



**Sample No:** VCP433346  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SWA420381



**Phillips & Jordan**  
PO BOX 2295  
Zephyrhills, FL  
US 33539-2295  
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## SAMPLE INFORMATION

Sample Number	VCP433346	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	868	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.56	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 286	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 686	---	---	---
Phosphorus	ppm	█ 521	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

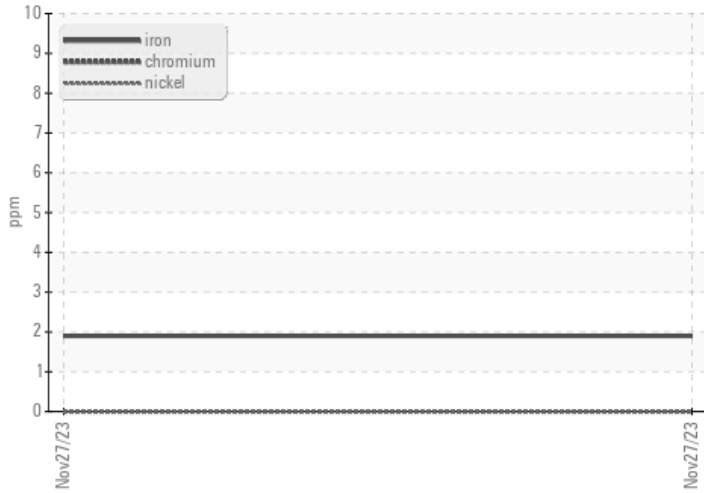
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

**Depot:** PHIZEP  
**Unique No:** 10779763  
**Signed:** Don Baldrige  
**Report Date:** 12 Dec 2023

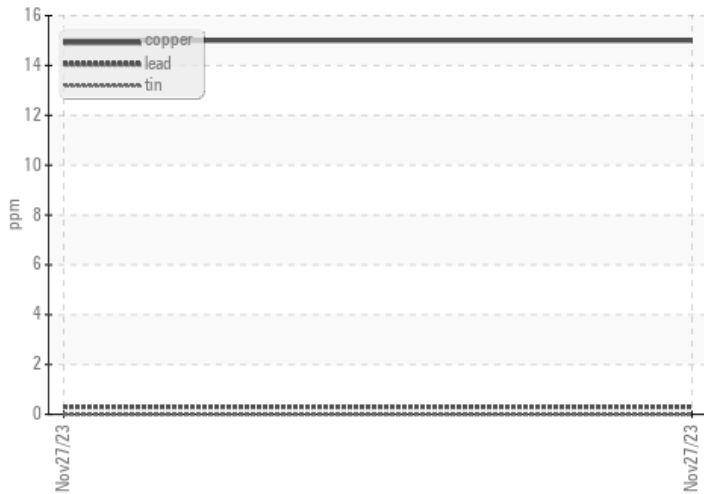


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

