



# CONSTRUCTION EQUIPMENT

X10399 WOOTRU SAND VOLVO EC480EL 311036 - HYDRAULIC SYSTEM



**Sample No:** VCP423449  
**Oil Type:** VOLVO AW 68  
**Job No:** X10399 WOOTRU SAND



**SCOTT EQUIPMENT COMPANY LLC - Texarkana**  
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## SAMPLE INFORMATION

Sample Number	VCP423449	---	---	---
Sample Date	15 Aug 2023	---	---	---
Machine Hours	9908	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	▲ 41.3	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.73	---	---	---



## CONTAMINATION

Water	%	▲ 0.270	---	---	---
Silicon	ppm	■ 16	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---



## WEAR METALS

Iron	ppm	● 678	---	---	---
Copper	ppm	■ 118	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 15	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	158	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	47	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	644	---	---	---
Phosphorus	ppm	598	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

## Diagnosis

HYDRAULIC PUMP FAILURE. The iron level is severe. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate.

**Depot:** VOLVO1034  
**Unique No:** 10608063  
**Signed:** Don Baldrige  
**Report Date:** 21 Aug 2023

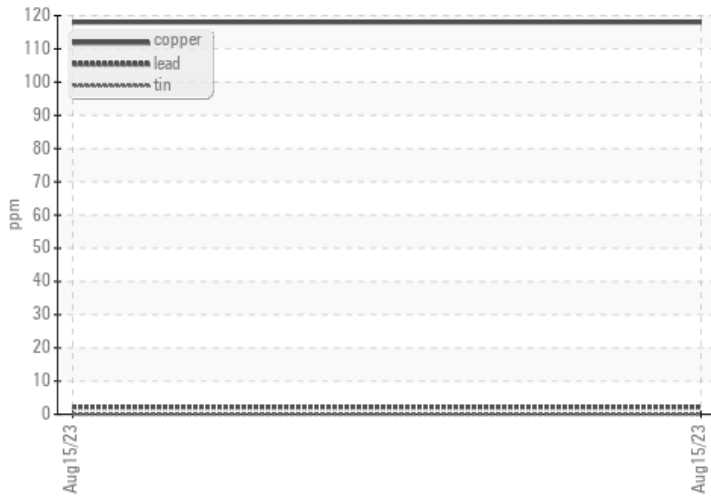


## GRAPHS

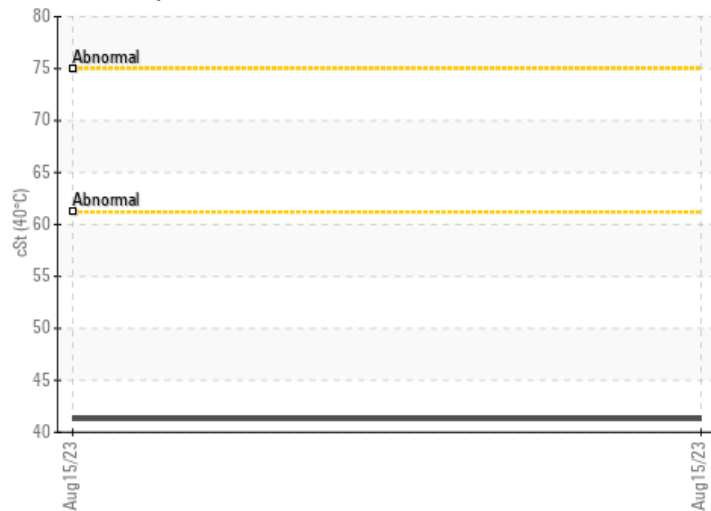
### ◆ Ferrous Alloys



### Non-ferrous Metals



### ▲ Viscosity @ 40°C



### Acid Number

