



# CONSTRUCTION EQUIPMENT

## X10399 WOOTEN STG VOLVO EC480EL 311036 - HYDRAULIC SYSTEM



**Sample No:** VCP328282  
**Oil Type:** NOT GIVEN  
**Job No:** X10399 WOOTEN STG



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### SAMPLE INFORMATION

Sample Number	VCP328282	VCP423449	---	---
Sample Date	26 Oct 2023	15 Aug 2023	---	---
Machine Hours	9908	9908	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	SEVERE	SEVERE	---	---



### OIL CONDITION

Visc @ 40°C	cSt	43.4	41.3	---	---
Acid Number (AN)	mg KOH/g	0.63	0.73	---	---



### CONTAMINATION

Water	%	---	0.270	---	---
Particles >4µm		110286	---	---	---
Particles >6µm		13034	---	---	---
Particles >14µm		375	---	---	---
ISO 4406:1999 (c)		24/21/16	---	---	---
Silicon	ppm	4	16	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	5	---	---



### WEAR METALS

Iron	ppm	79	678	---	---
Copper	ppm	18	118	---	---
Lead	ppm	0	2	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	<1	15	---	---
Chromium	ppm	<1	8	---	---
Molybdenum	ppm	60	158	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	6	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	39	47	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	444	644	---	---
Phosphorus	ppm	421	598	---	---
Barium	ppm	20	0	---	---
Boron	ppm	0	0	---	---

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level has decreased, but is still abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO1034  
**Unique No:** 10722631  
**Signed:** Don Baldrige  
**Report Date:** 01 Nov 2023

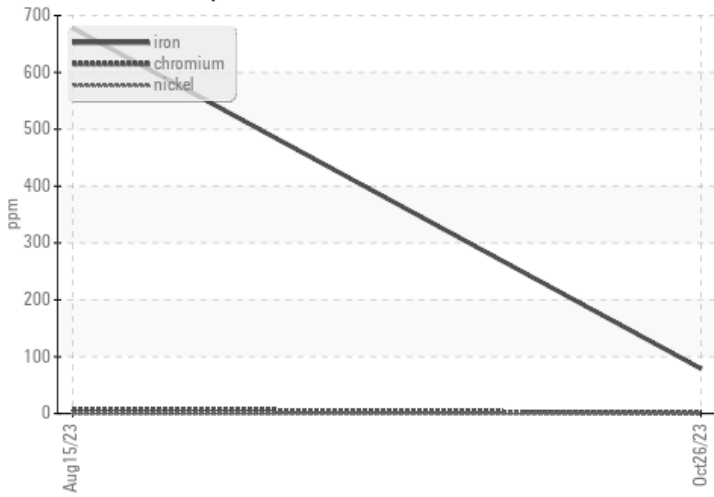


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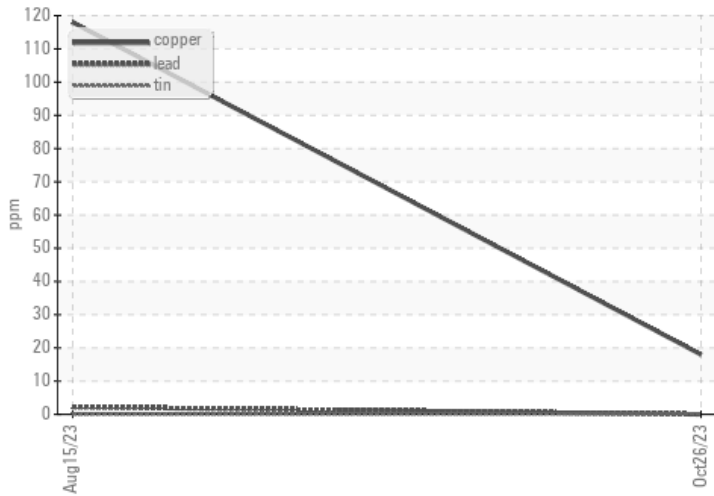


## GRAPHS

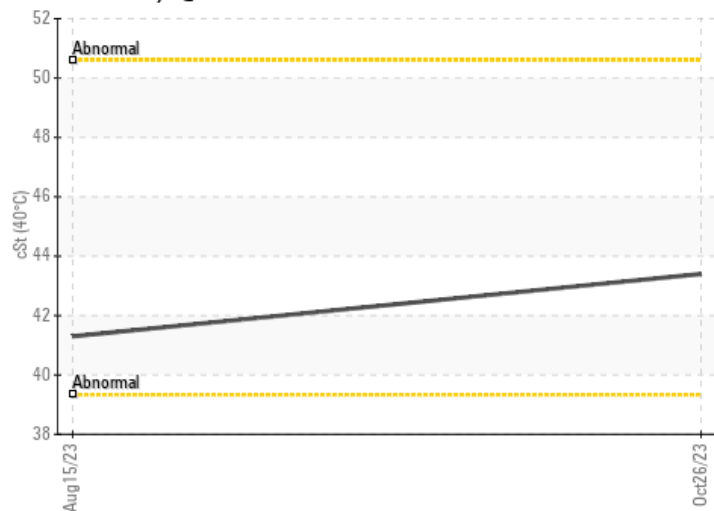
### Ferrous Alloys



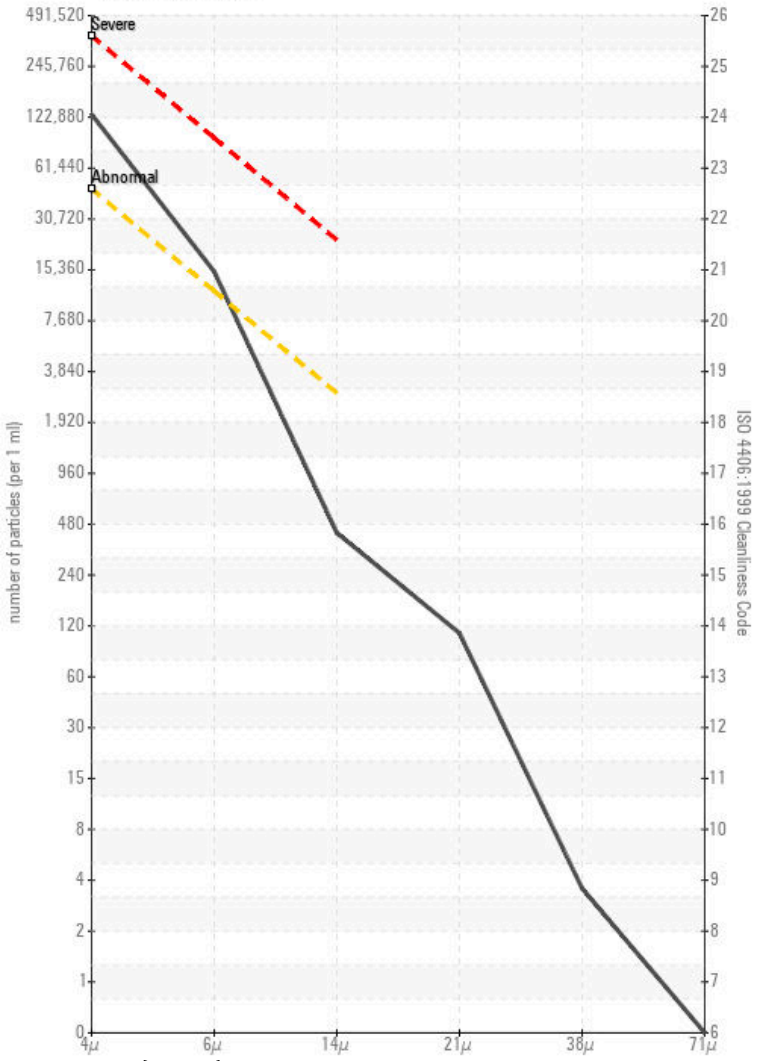
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

