



# CONSTRUCTION EQUIPMENT

595599 MADOR CONTRAC VOLVO ECR145E 311546 - HYDRAULIC SYSTEM



**Sample No:** VCP416960  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 595599 MADOR CONTRAC



## SAMPLE INFORMATION

Sample Number	VCP416960	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	4054	---	---	---
Oil Hours	4054	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
56195 PONTIAC TRAIL  
NEW HUDSON, MI  
US 48165  
Contact: PAUL CONZ  
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T:  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.23	---	---	---



## CONTAMINATION

Particles >4µm		█ 9894	---	---	---
Particles >6µm		█ 1842	---	---	---
Particles >14µm		█ 95	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 89	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 348	---	---	---
Phosphorus	ppm	█ 164	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO2990  
**Unique No:** 10655144  
**Signed:** Jonathan Hester  
**Report Date:** 20 Sep 2023

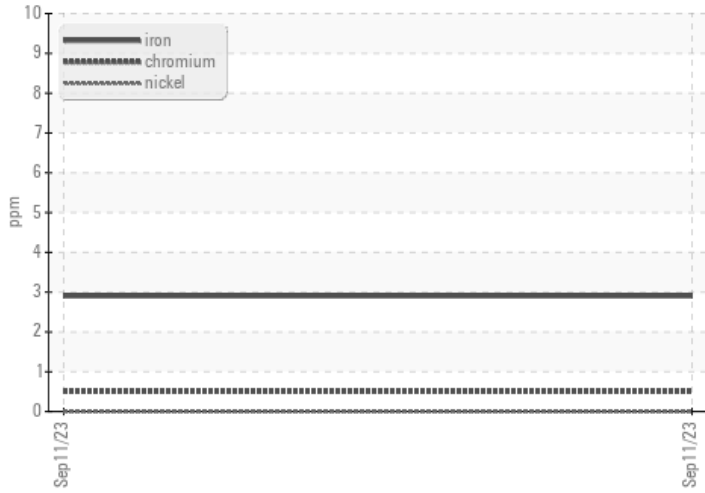


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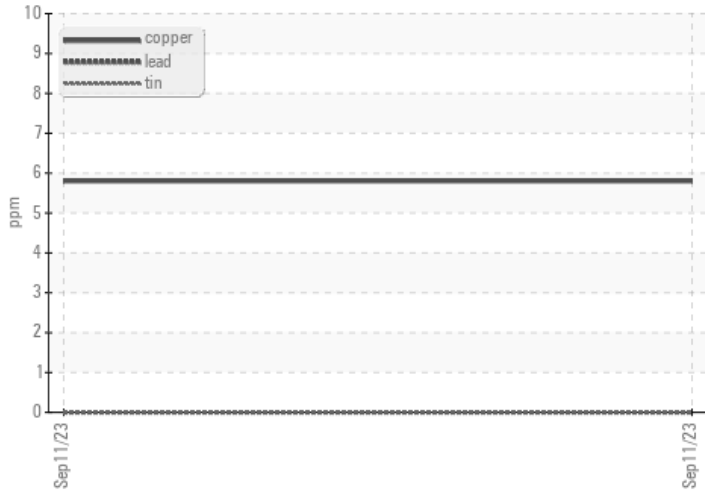


## GRAPHS

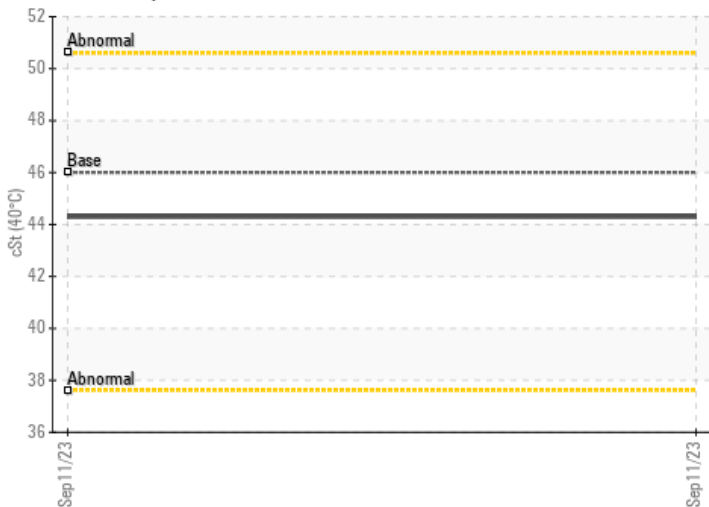
### Ferrous Alloys



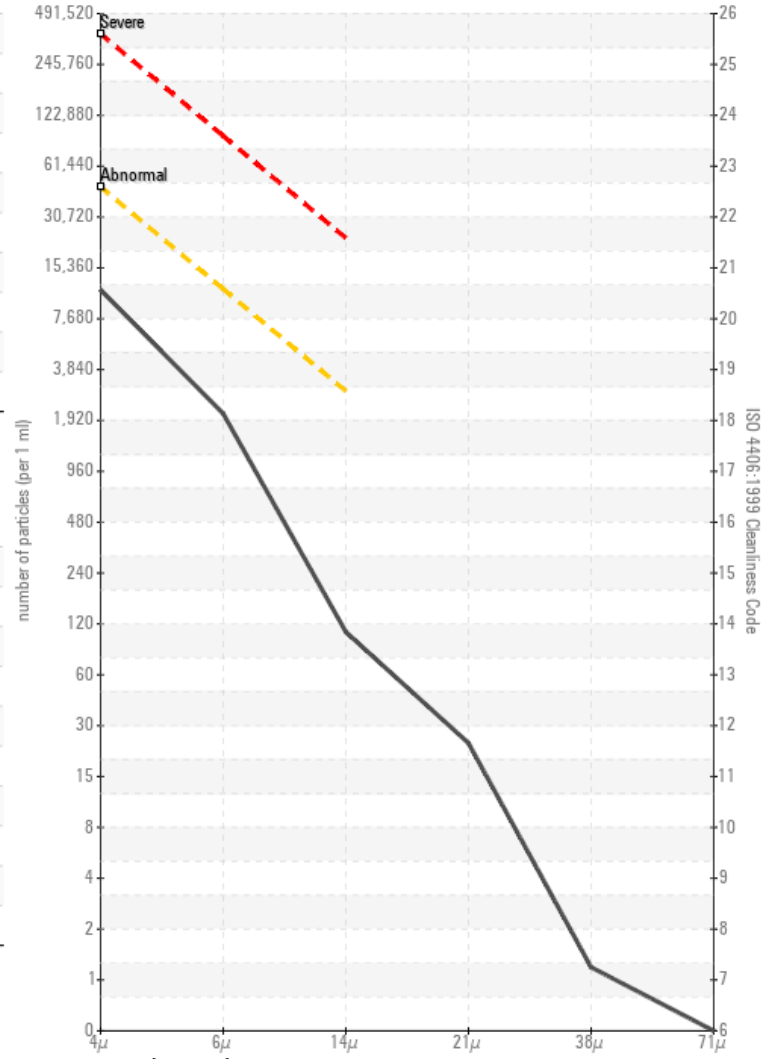
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

