



# CONSTRUCTION EQUIPMENT

## 3039 VOLVO EC480EL 314926 - HYDRAULIC SYSTEM



**Sample No:** VCP434843  
**Oil Type:** CASTROL HD AW ISO 46  
**Job No:** 3039



### SAMPLE INFORMATION

Sample Number	VCP434843	---	---	---
Sample Date	01 Jul 2024	---	---	---
Machine Hours	1575	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**LEONARDS CONTRACTING**  
 30850 STEPHENSON HWY  
 MADISON HEIGHTS, MI  
 US 48071  
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 F: x:

### OIL CONDITION

Visc @ 40°C	cSt	█ 42.14	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8575	---	---	---
Particles >6µm		█ 457	---	---	---
Particles >14µm		█ 17	---	---	---
ISO 4406:1999 (c)		20/16/11	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is 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	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 63	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 438	---	---	---
Phosphorus	ppm	█ 360	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** LEOMAD  
**Unique No:** 11113598  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2024

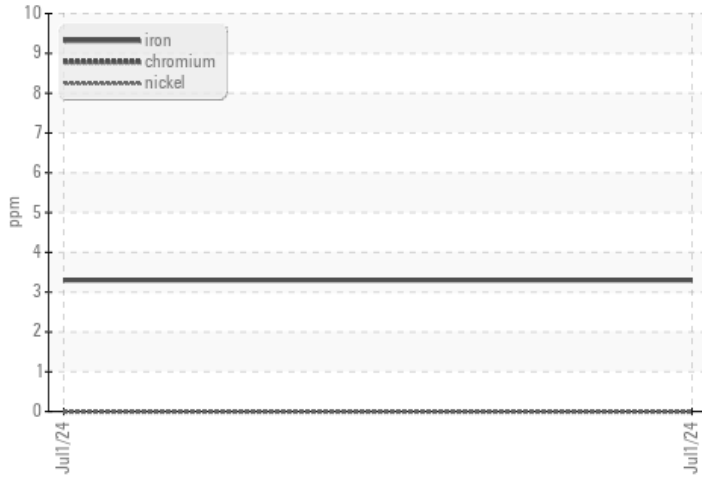


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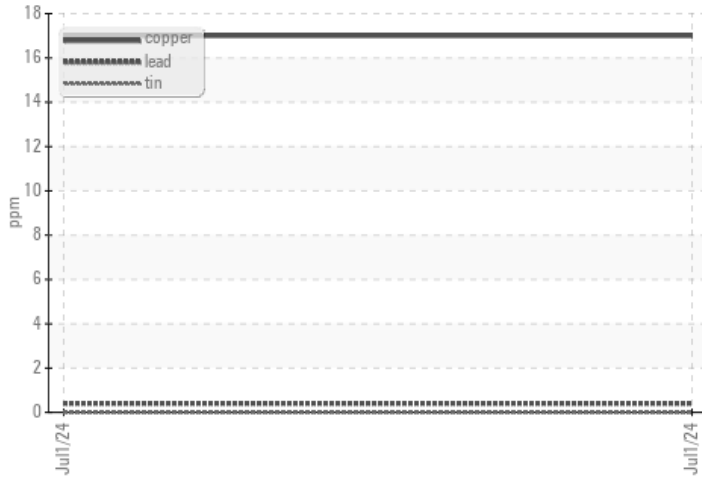


## GRAPHS

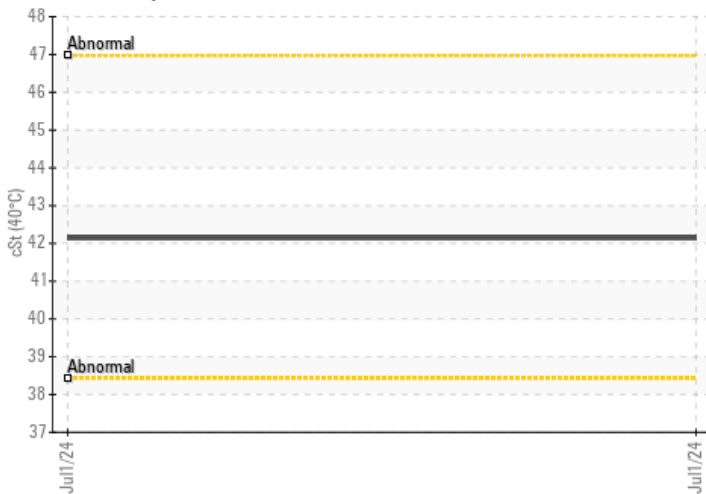
### Ferrous Alloys



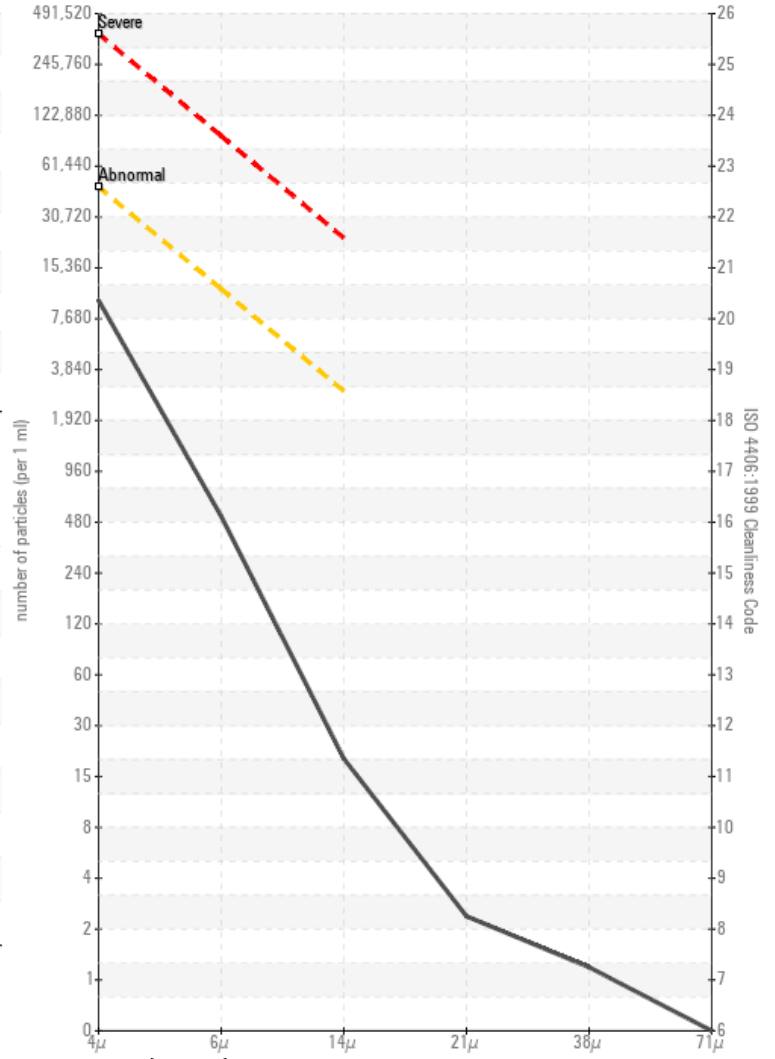
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

