



# CONSTRUCTION EQUIPMENT

## 717679 MOSAIC VOLVO EC480EL 315186 - HYDRAULIC SYSTEM



**Sample No:** VCP440210  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 717679 MOSAIC



### SAMPLE INFORMATION

Sample Number	VCP440210	VCP437895	---	---
Sample Date	13 Jun 2024	13 Mar 2024	---	---
Machine Hours	1197	770	---	---
Oil Hours	1197	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 39.9	█ 31.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	█ 0.51	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 131724	---	---	---
Particles >6µm		▲ 67210	---	---	---
Particles >14µm		█ 1822	---	---	---
ISO 4406:1999 (c)		24/23/18	---	---	---
Silicon	ppm	█ 4	█ 3	---	---
Sodium	ppm	█ 1	█ <1	---	---
Potassium	ppm	█ 0	█ 0	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 3	█ <1	---	---
Copper	ppm	█ 19	█ 10	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ <1	█ 0	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 59	61	---	---
Magnesium	ppm	█ 1	0	---	---
Zinc	ppm	█ 489	485	---	---
Phosphorus	ppm	█ 403	370	---	---
Barium	ppm	█ 0	0	---	---
Boron	ppm	█ 0	0	---	---

**Depot:** VOLVO0093  
**Unique No:** 11126528  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024

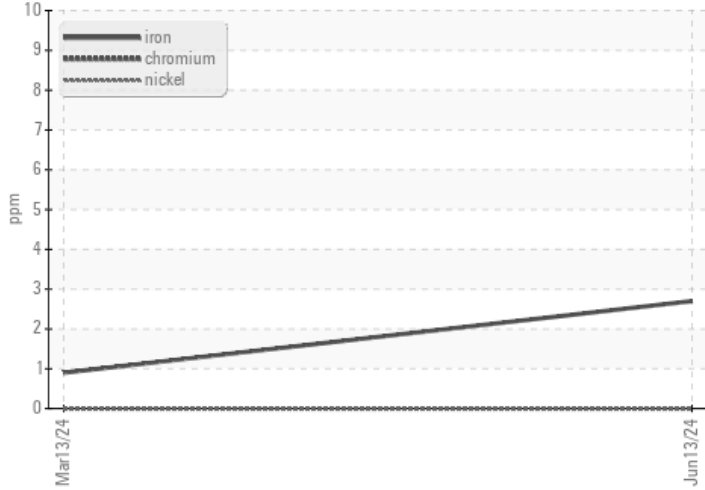


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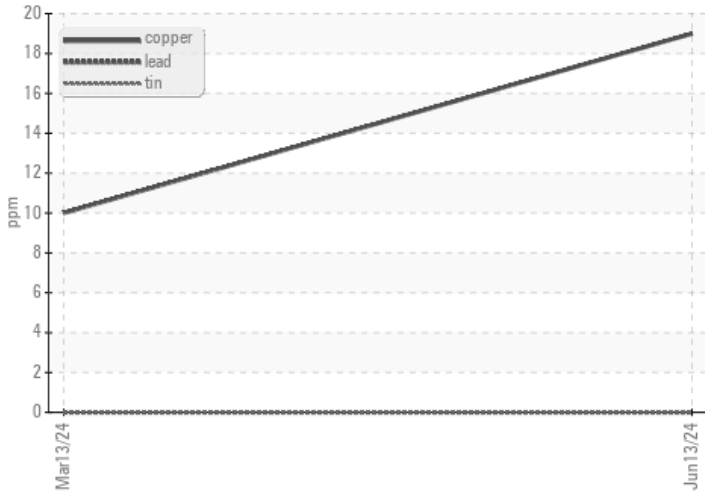


## GRAPHS

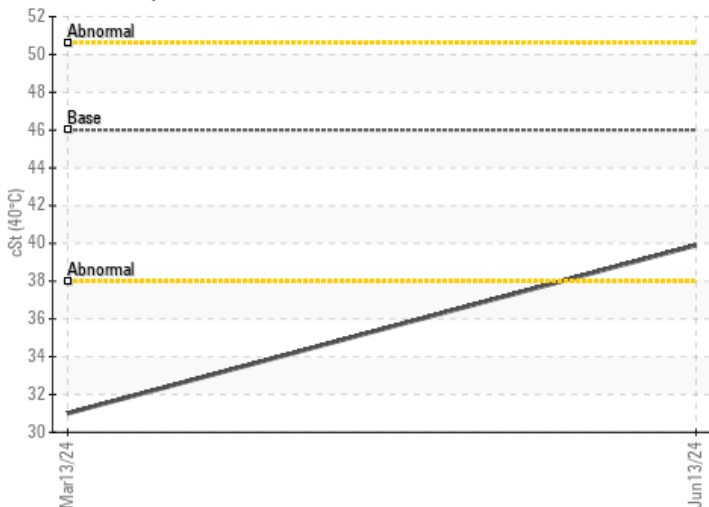
### Ferrous Alloys



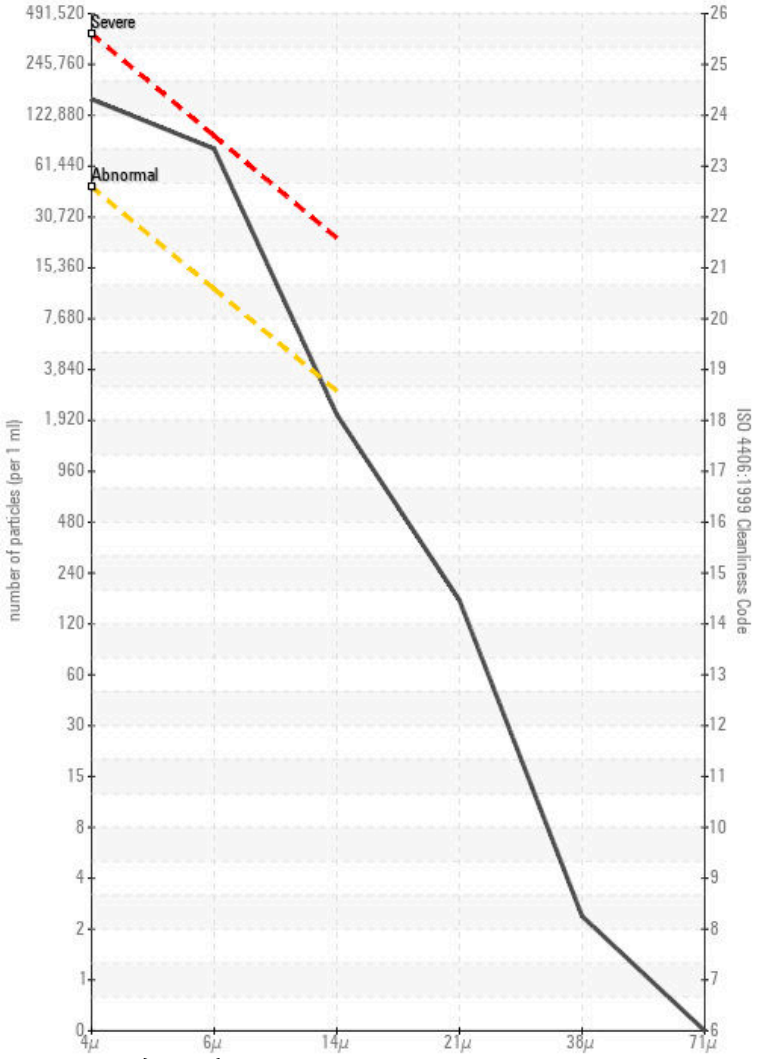
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

