



# CONSTRUCTION EQUIPMENT

## 729177 MOSAIC VOLVO EC380 315267 - HYDRAULIC SYSTEM



**Sample No:** VCP445598  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 729177 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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### SAMPLE INFORMATION

Sample Number	VCP445598	VCP408654	---	---
Sample Date	13 Jun 2024	10 May 2023	---	---
Machine Hours	1033	496	---	---
Oil Hours	1033	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	█ 43.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	█ 0.53	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 126853	█ 5437	---	---
Particles >6µm		▲ 52782	█ 1216	---	---
Particles >14µm		█ 1649	█ 60	---	---
ISO 4406:1999 (c)		24/23/18	20/17/13	---	---
Silicon	ppm	█ 3	█ <1	---	---
Sodium	ppm	█ <1	█ 0	---	---
Potassium	ppm	█ 0	█ 0	---	---



### WEAR METALS

Iron	ppm	█ 2	█ 1	---	---
Copper	ppm	█ 24	█ 15	---	---
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	█ 91	█ 97	---	---
Magnesium	ppm	█ 1	█ 0	---	---
Zinc	ppm	█ 545	█ 547	---	---
Phosphorus	ppm	█ 434	█ 413	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	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.

**Depot:** VOLVO0093  
**Unique No:** 11126527  
**Signed:** Wes Davis  
**Report Date:** 17 Jul 2024

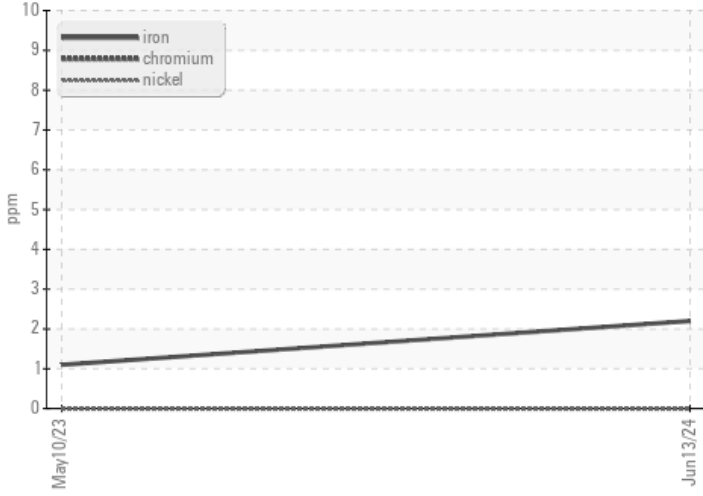


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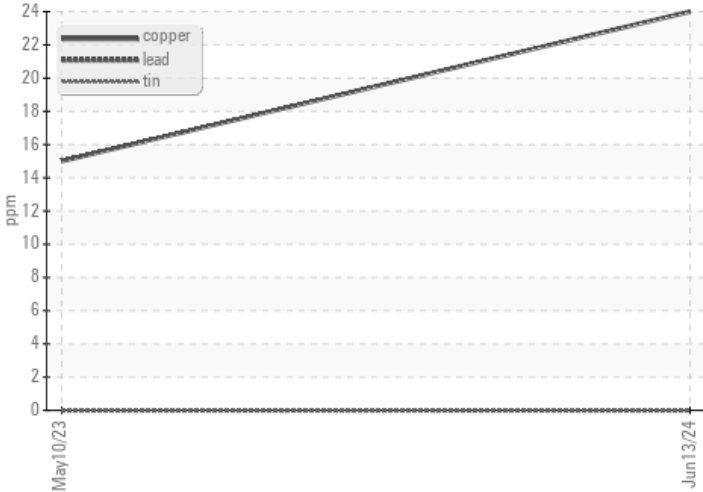


## VOLVO GRAPHS

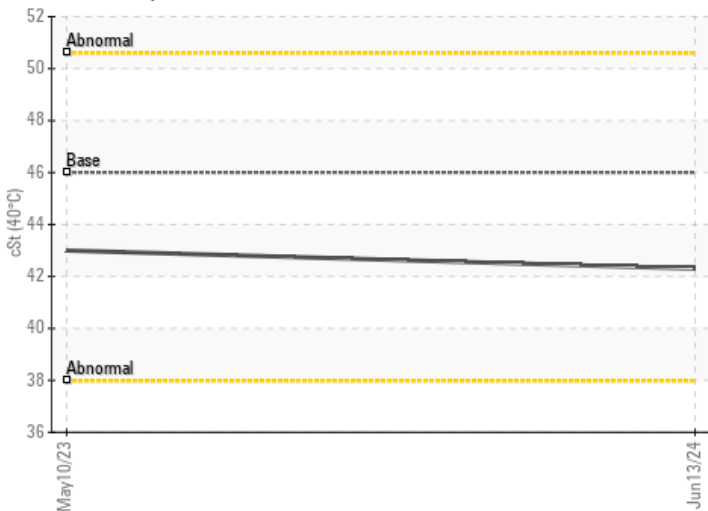
### Ferrous Alloys



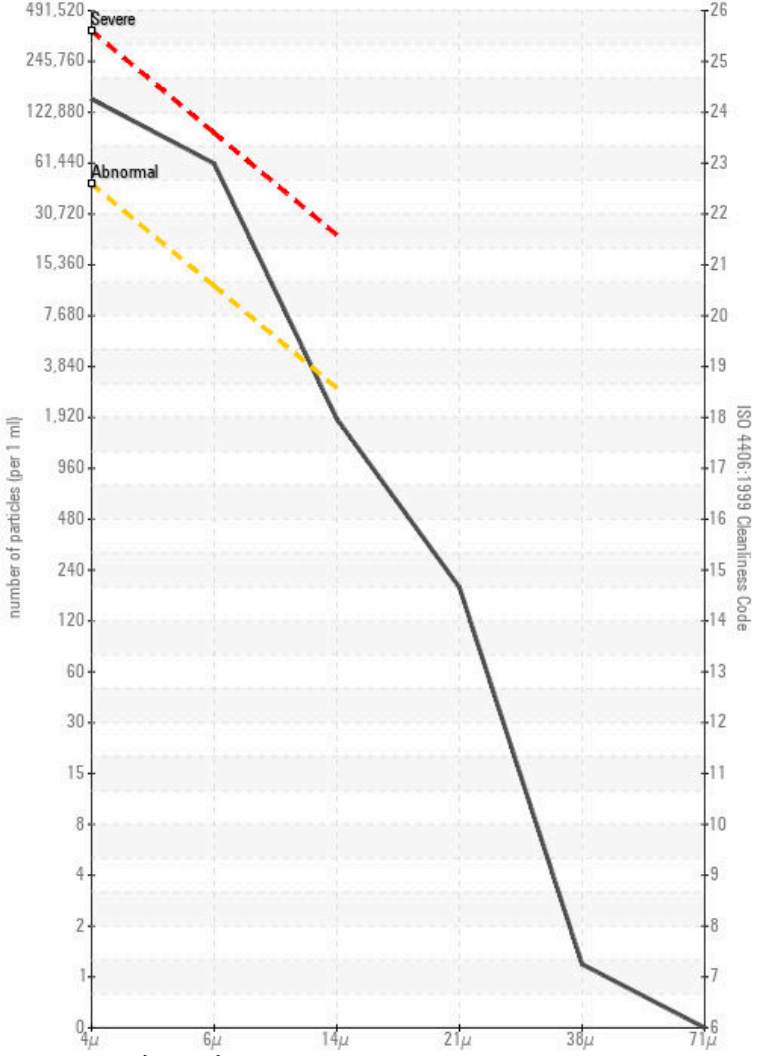
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

