



# CONSTRUCTION EQUIPMENT

715745 MOSAIC VOLVO A45G 352594 - HYDRAULIC SYSTEM



**Sample No:** VCP451494  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 715745 MOSAIC



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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## SAMPLE INFORMATION

Sample Number	VCP451494	VCP0007635	---	---
Sample Date	13 May 2024	06 Jun 2023	---	---
Machine Hours	5749	0	---	---
Oil Hours	1700	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█44.9	█45.6	---	---
Acid Number (AN)	mg KOH/g	█0.33	█0.44	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█6773	---	---	---
Particles >6µm		█807	---	---	---
Particles >14µm		█17	---	---	---
ISO 4406:1999 (c)		20/17/11	---	---	---
Silicon	ppm	█10	█9	---	---
Sodium	ppm	█2	█<1	---	---
Potassium	ppm	█3	█0	---	---



## WEAR METALS

Iron	ppm	█7	█7	---	---
Copper	ppm	█1	█2	---	---
Lead	ppm	█<1	█0	---	---
Tin	ppm	█<1	█0	---	---
Aluminum	ppm	█3	█2	---	---
Chromium	ppm	█0	█<1	---	---
Molybdenum	ppm	█0	<1	---	---
Nickel	ppm	█<1	█0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█<1	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█202	178	---	---
Magnesium	ppm	█6	4	---	---
Zinc	ppm	█519	488	---	---
Phosphorus	ppm	█403	359	---	---
Barium	ppm	█<1	0	---	---
Boron	ppm	█<1	0	---	---

## 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.

**Depot:** VOLVO0093  
**Unique No:** 11071986  
**Signed:** Wes Davis  
**Report Date:** 11 Jun 2024

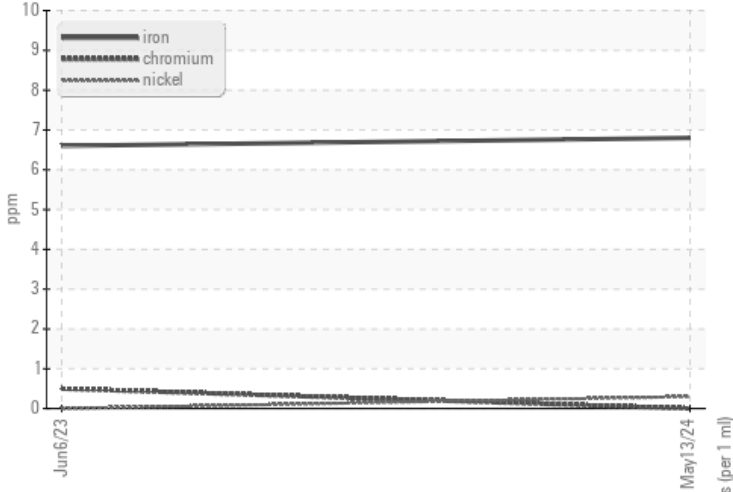


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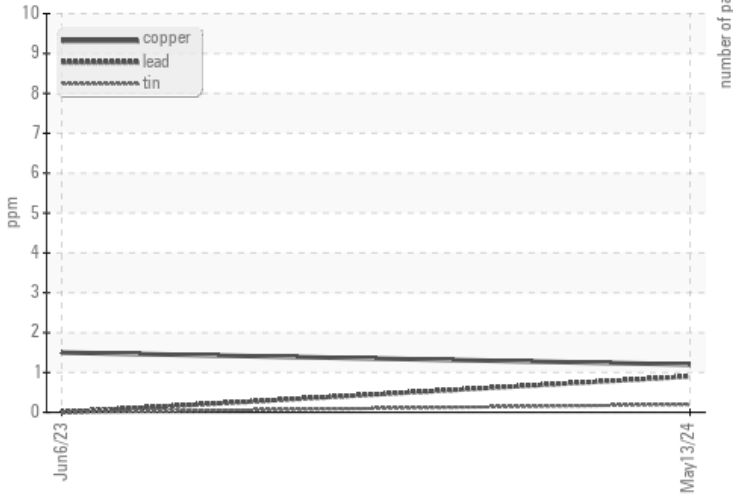


## VOLVO GRAPHS

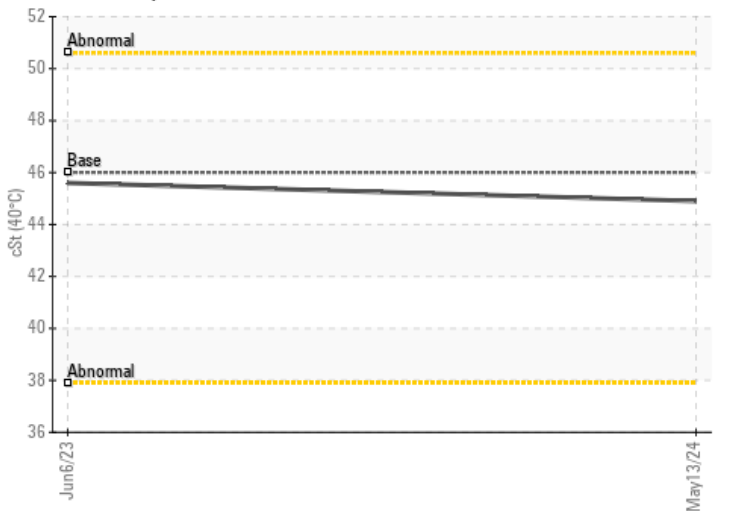
### Ferrous Alloys



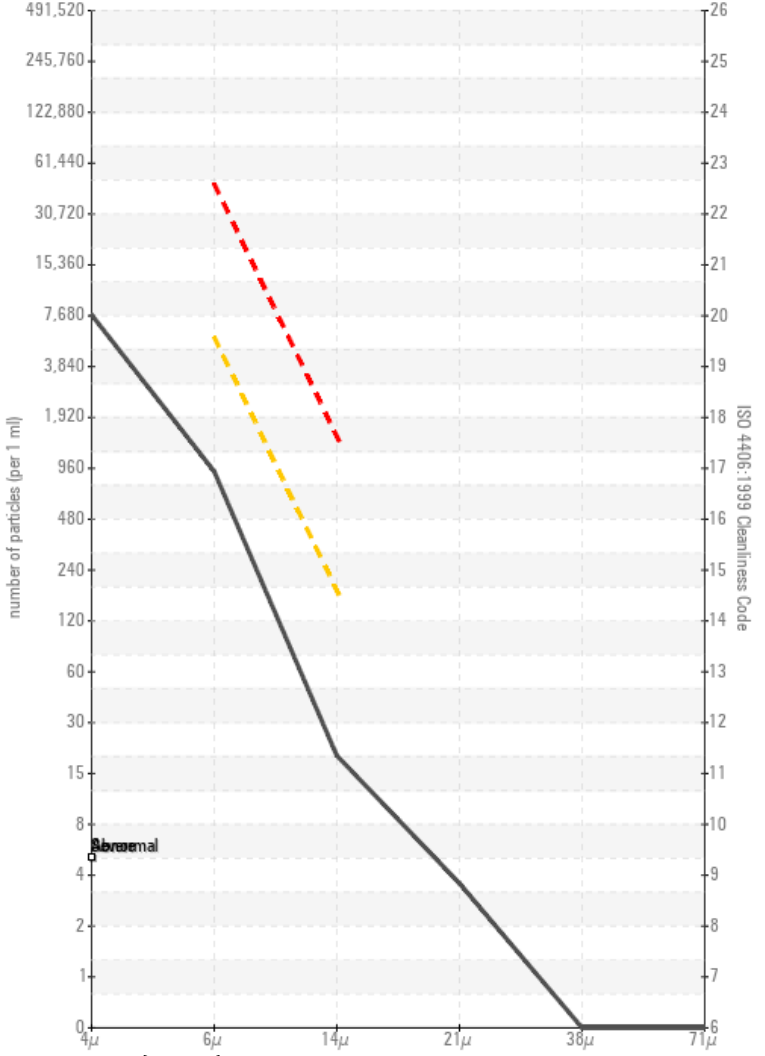
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

