



# CONSTRUCTION EQUIPMENT

715855 MOSAIC VOLVO A40G 353384 - HYDRAULIC SYSTEM



**Sample No:** VCP451200  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 715855 MOSAIC



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## SAMPLE INFORMATION

Sample Number	VCP451200	VCP432156	---	---
Sample Date	14 May 2024	02 Nov 2023	---	---
Machine Hours	2467	1237	---	---
Oil Hours	2467	1237	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	█ 43.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	█ 0.51	---	---



## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 4055	█ 4724	---	---
Particles >6µm		█ 1226	█ 1375	---	---
Particles >14µm		█ 100	█ 154	---	---
ISO 4406:1999 (c)		19/17/14	19/18/14	---	---
Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 62	█ 48	---	---
Magnesium	ppm	█ <1	█ 0	---	---
Zinc	ppm	█ 446	█ 403	---	---
Phosphorus	ppm	█ 335	█ 305	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 0	█ 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:** 11071987  
**Signed:** Wes Davis  
**Report Date:** 12 Jun 2024

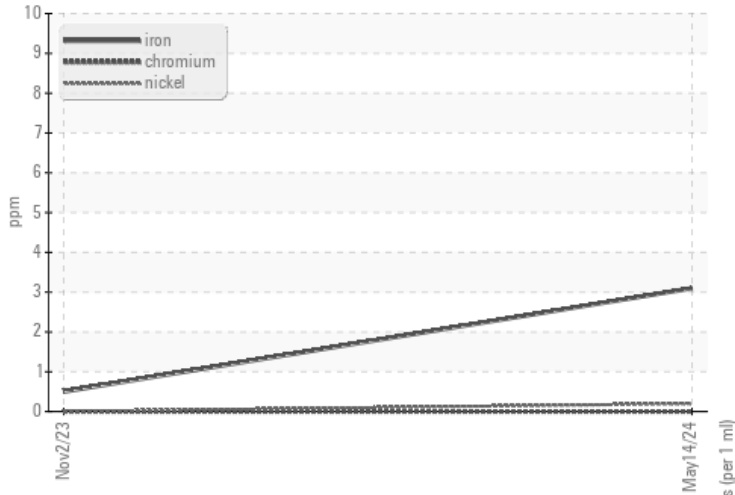


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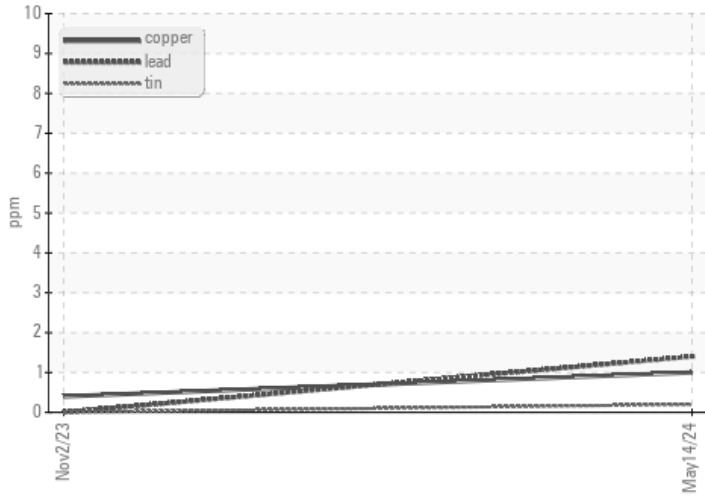


## GRAPHS

Ferrous Alloys



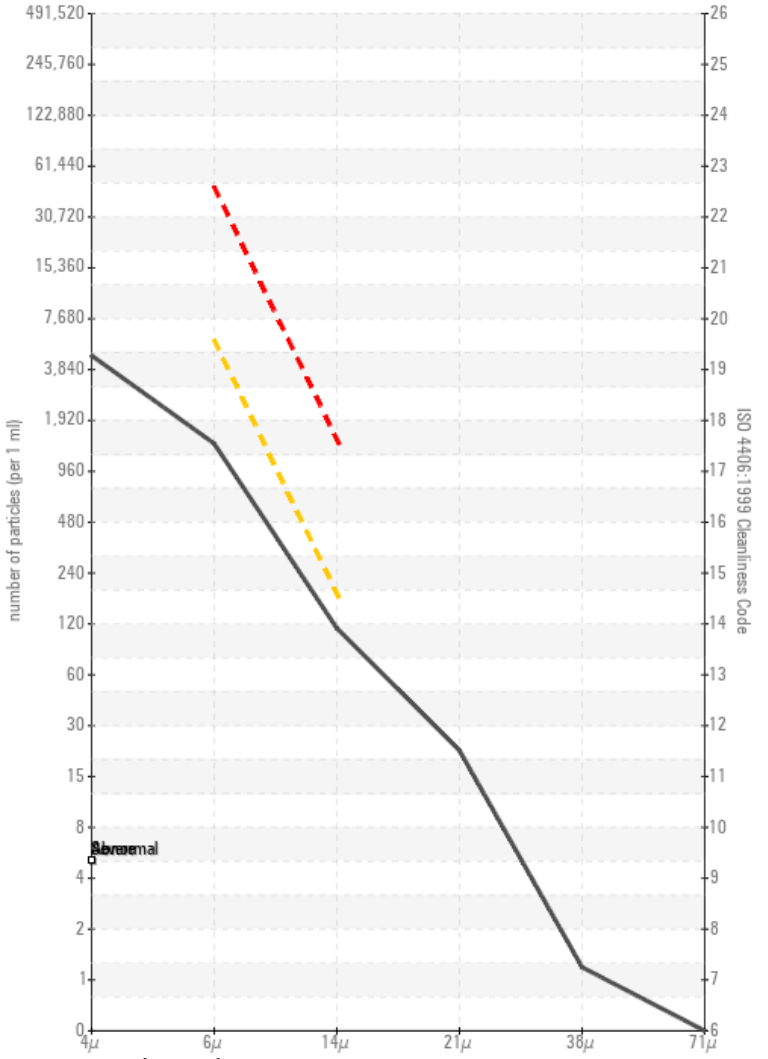
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

