



# CONSTRUCTION EQUIPMENT

HERC VOLVO EC140 315532 - HYDRAULIC SYSTEM



**Sample No:** VCP445599  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** HERC



## SAMPLE INFORMATION

Sample Number	VCP445599	---	---	---
Sample Date	13 Jun 2024	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 43.82	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 82168	---	---	---
Particles >6µm		▲ 20382	---	---	---
Particles >14µm		█ 14	---	---	---
ISO 4406:1999 (c)		24/22/11	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## 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	█ 5	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 185	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 566	---	---	---
Phosphorus	ppm	█ 448	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 11089654  
**Signed:** Wes Davis  
**Report Date:** 26 Jun 2024

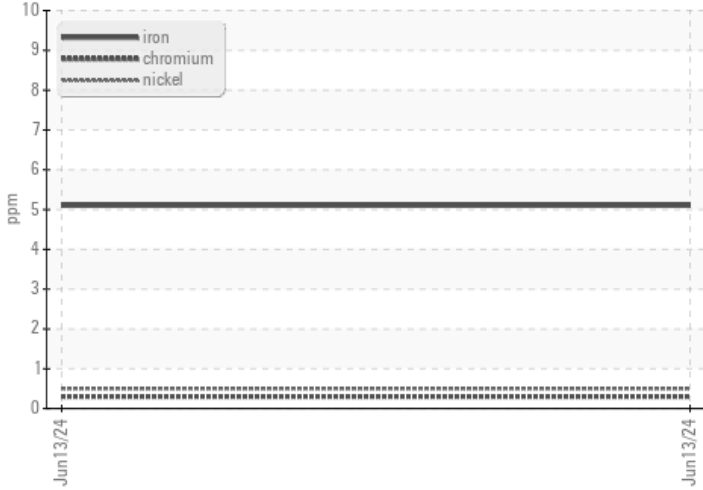


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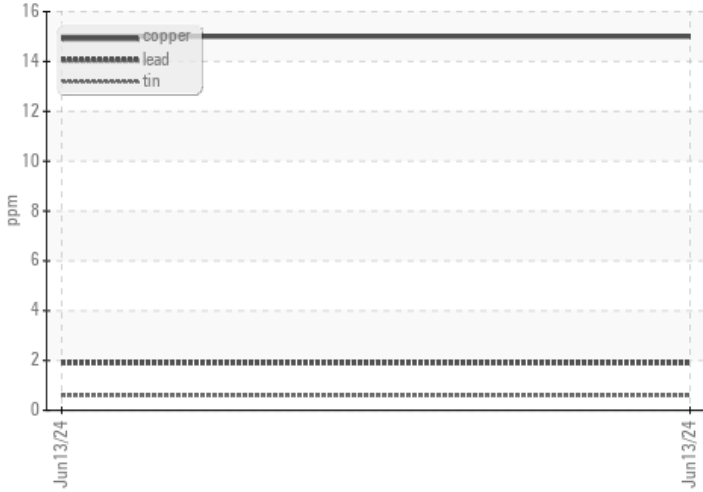


## VOLVO GRAPHS

### Ferrous Alloys



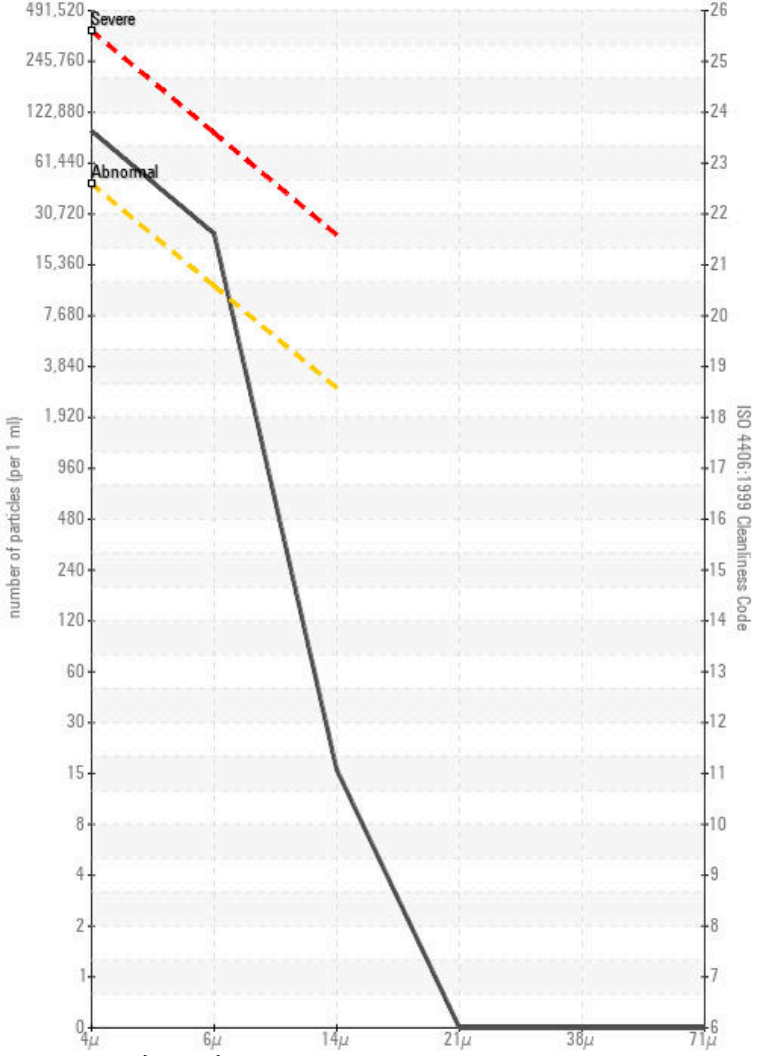
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

