



# CONSTRUCTION EQUIPMENT

## 687940 VOLVO L70 624147 - HYDRAULIC SYSTEM



**Sample No:** VCP455039  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 687940



### SAMPLE INFORMATION

Sample Number	VCP455039	VCP441512	---	---
Sample Date	18 Mar 2024	13 Mar 2024	---	---
Machine Hours	5718	5718	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ATTENTION	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 43.8	█ 45.1	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	█ 0.32	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 3089	● 6109	---	---
Particles >6µm		█ 471	█ 1275	---	---
Particles >14µm		█ 28	█ 102	---	---
ISO 4406:1999 (c)		19/16/12	20/17/14	---	---
Silicon	ppm	█ 2	█ 2	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 1	█ 0	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 172	█ 81	---	---
Magnesium	ppm	█ 16	█ 5	---	---
Zinc	ppm	█ 447	█ 427	---	---
Phosphorus	ppm	█ 373	█ 341	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 7	█ 2	---	---

**Depot:** VOLVO0096  
**Unique No:** 10941181  
**Signed:** Wes Davis  
**Report Date:** 26 Mar 2024

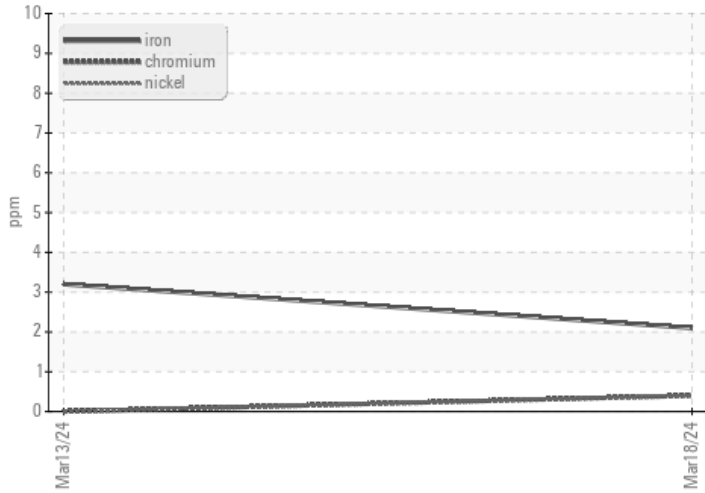


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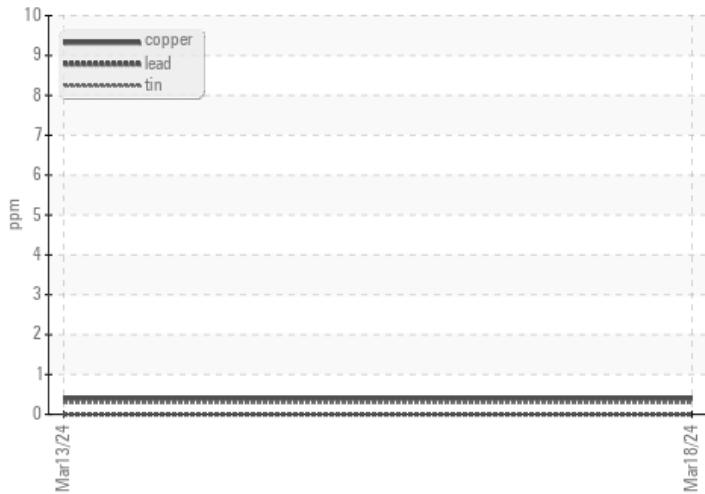


## GRAPHS

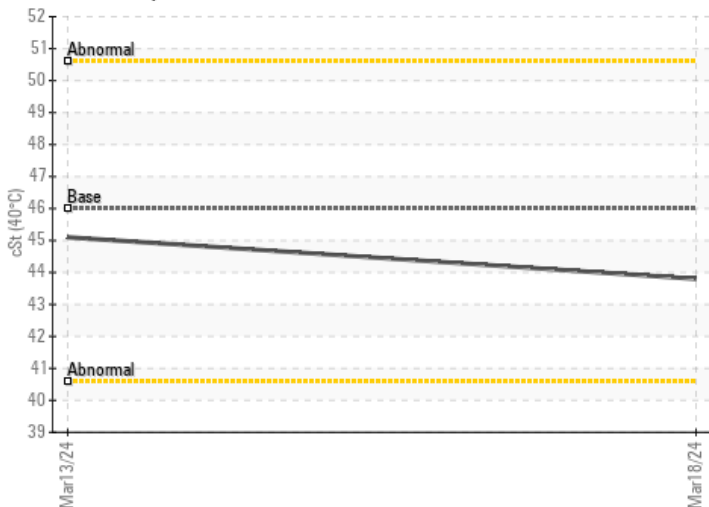
### Ferrous Alloys



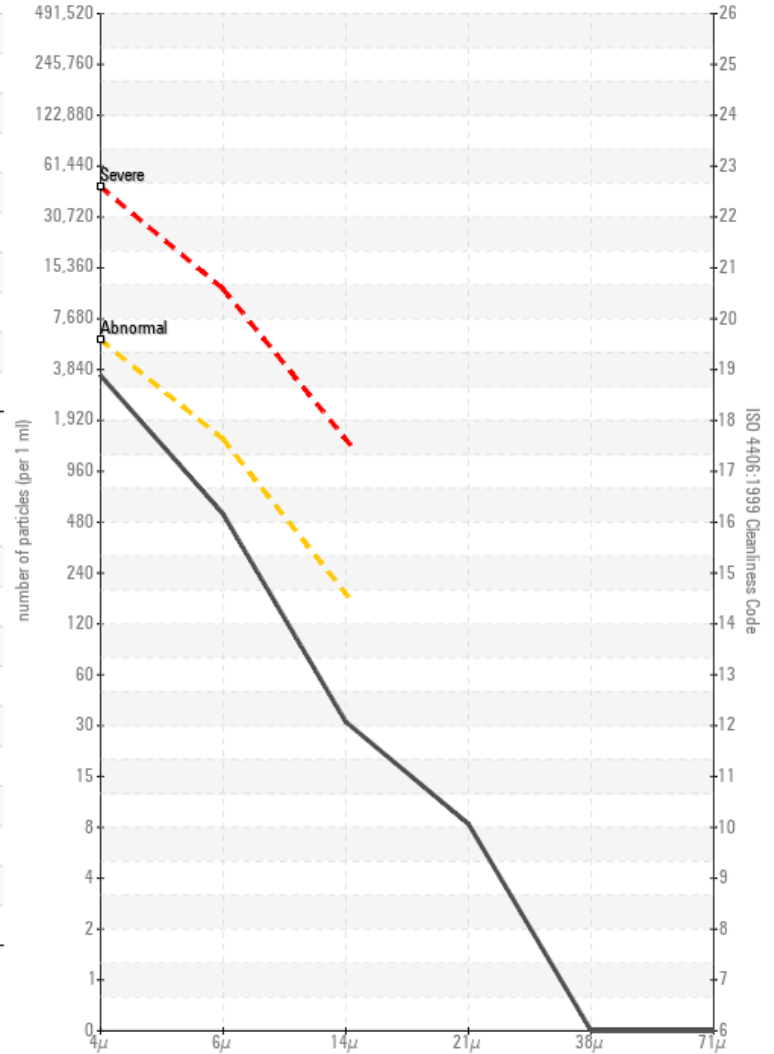
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

