



# CONSTRUCTION EQUIPMENT

## 12457 VOLVO L90H 626365 - HYDRAULIC SYSTEM



**Sample No:** VCP370931  
**Oil Type:** VOLVO  
**Job No:** 12457



### SAMPLE INFORMATION

Sample Number	VCP370931	---	---	---
Sample Date	09 Aug 2023	---	---	---
Machine Hours	1819	---	---	---
Oil Hours	1819	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

536 - ASCENDUM MACHINERY INC - CHATTANOOGA  
 7829 LEE HWY  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.33	---	---	---



### CONTAMINATION

Particles >4µm		█ 4312	---	---	---
Particles >6µm		█ 415	---	---	---
Particles >14µm		█ 22	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

### 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.



### WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	68	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	440	---	---	---
Phosphorus	ppm	332	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLV00117  
**Unique No:** 10604753  
**Signed:** Wes Davis  
**Report Date:** 16 Aug 2023

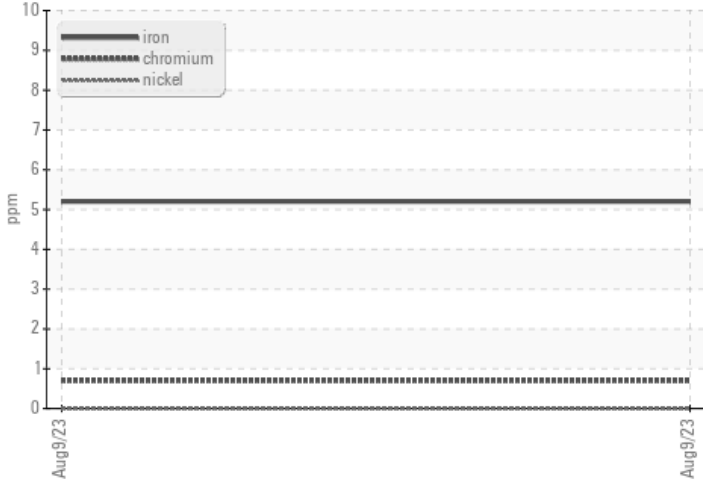


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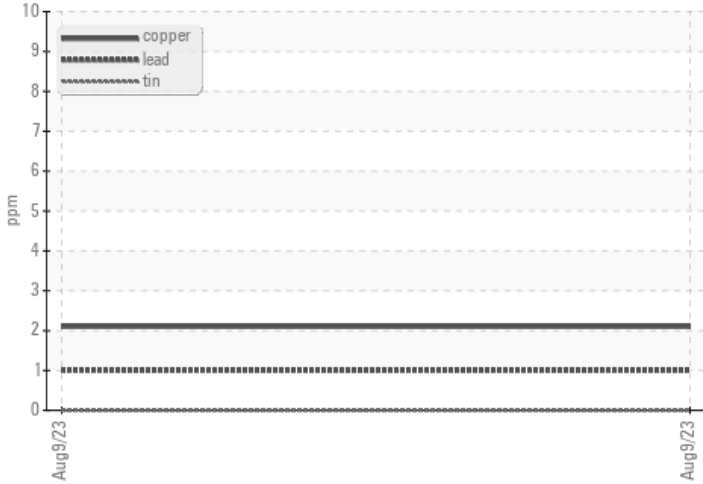


## VOLVO GRAPHS

### Ferrous Alloys



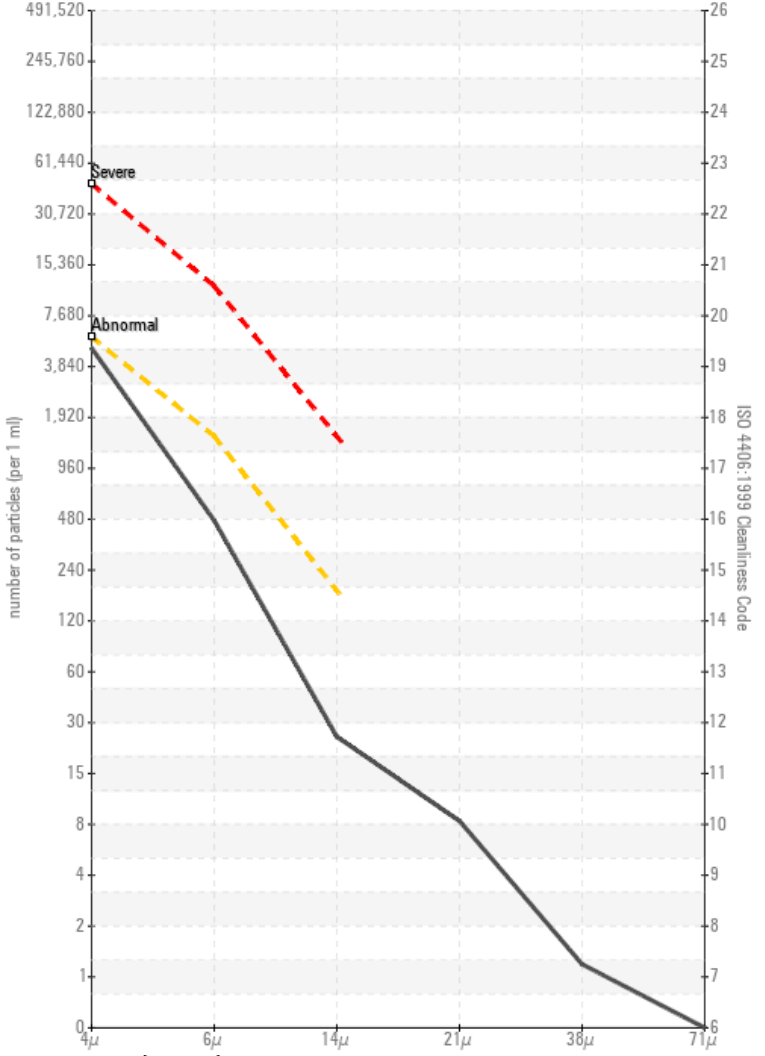
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

