



# CONSTRUCTION EQUIPMENT

## SPM621184 GENERAL RV VOLVO L20H 1220361 - HYDRAULIC SYSTEM



**Sample No:** VCP428539  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM621184 GENERAL RV



### SAMPLE INFORMATION

Sample Number	VCP428539	VCP355497	---	---
Sample Date	25 Oct 2023	20 Jun 2022	---	---
Machine Hours	2884	1402	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	40.9	40.9	---	---
Acid Number (AN)	mg KOH/g	0.40	0.44	---	---



### CONTAMINATION

Particles >4µm		471	---	---	---
Particles >6µm		146	---	---	---
Particles >14µm		20	---	---	---
ISO 4406:1999 (c)		16/14/11	---	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	<1	<1	---	---
Potassium	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.



### WEAR METALS

Iron	ppm	<1	5	---	---
Copper	ppm	4	24	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	3	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	54	119	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	398	428	---	---
Phosphorus	ppm	306	355	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

**Depot:** VOLVO5023  
**Unique No:** 10727347  
**Signed:** Wes Davis  
**Report Date:** 07 Nov 2023

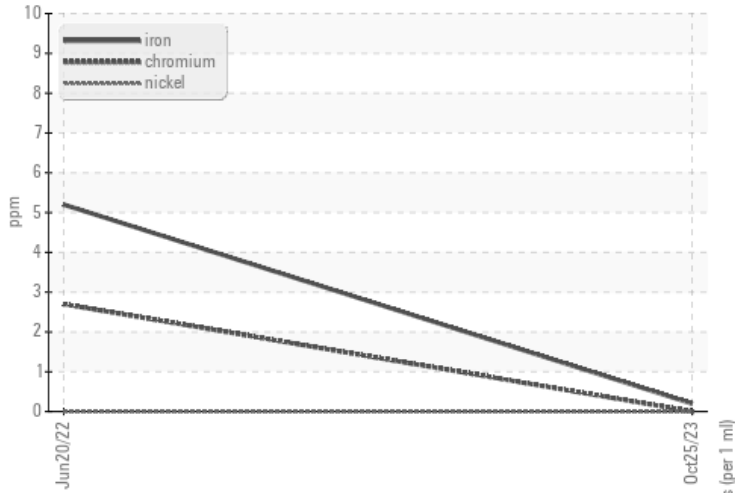


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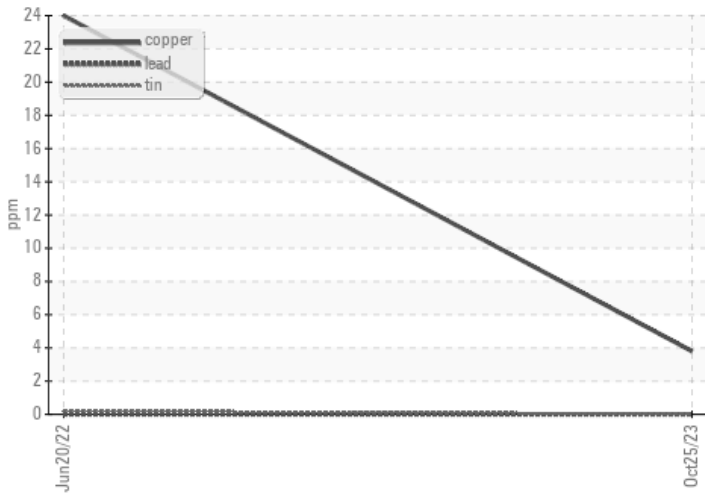


## GRAPHS

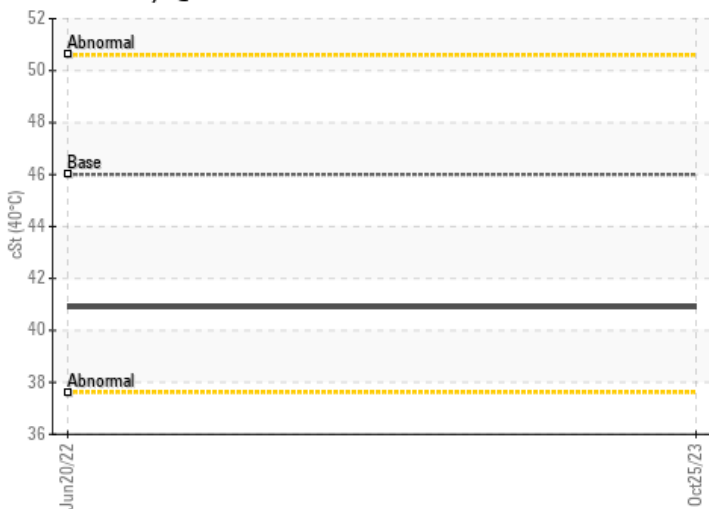
### Ferrous Alloys



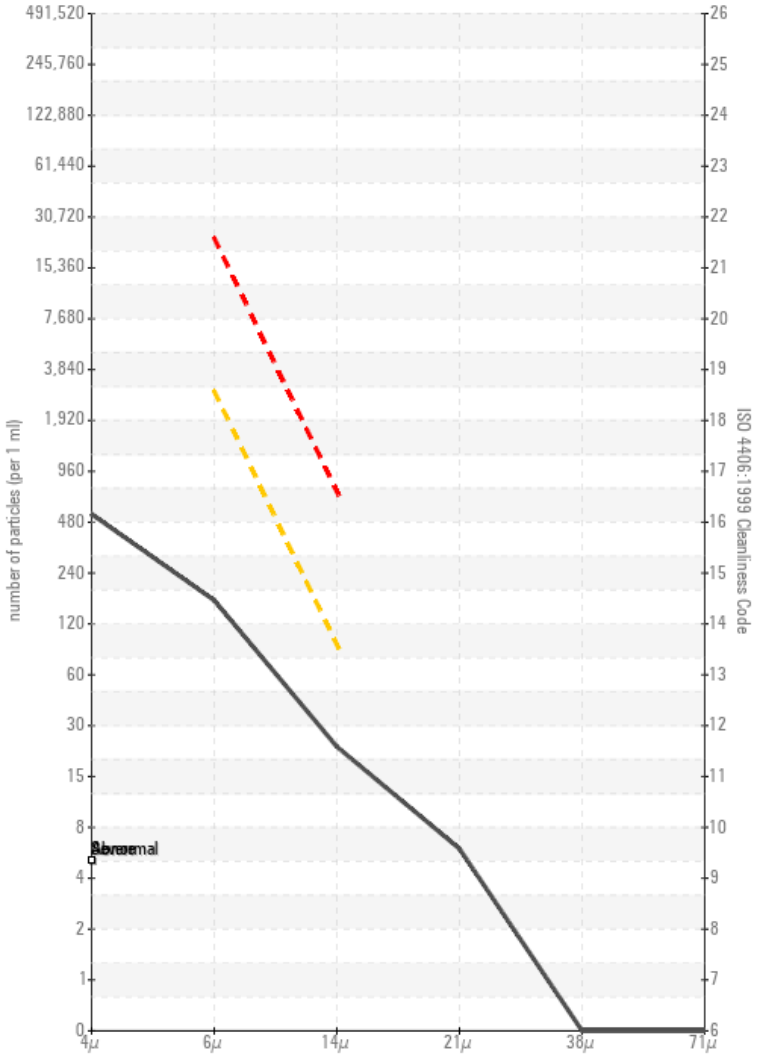
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

