



# CONSTRUCTION EQUIPMENT

## SPM579338 VOLVO P7110B 385256 - HYDRAULIC SYSTEM



**Sample No:** VCP417322  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM579338



### SAMPLE INFORMATION

Sample Number	VCP417322	---	---	---
Sample Date	15 Jul 2023	---	---	---
Machine Hours	3003	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 50.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.97	---	---	---



### CONTAMINATION

Particles >4µm		█ 269	---	---	---
Particles >6µm		█ 48	---	---	---
Particles >14µm		█ 3	---	---	---
ISO 4406:1999 (c)		15/13/9	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 2783	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 1157	---	---	---
Phosphorus	ppm	█ 1059	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 1	---	---	---

**Depot:** VOLVO0093  
**Unique No:** 10563595  
**Signed:** Jonathan Hester  
**Report Date:** 21 Jul 2023

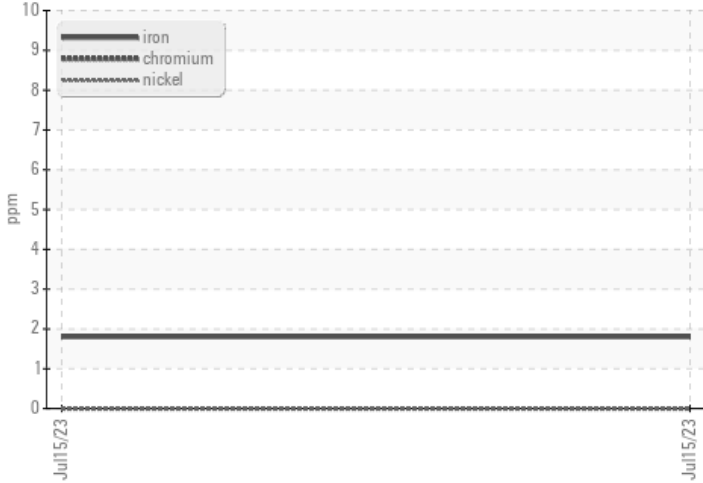


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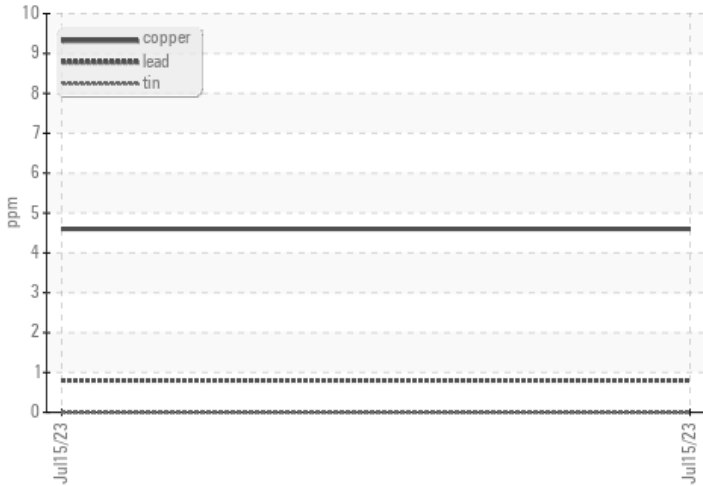


## GRAPHS

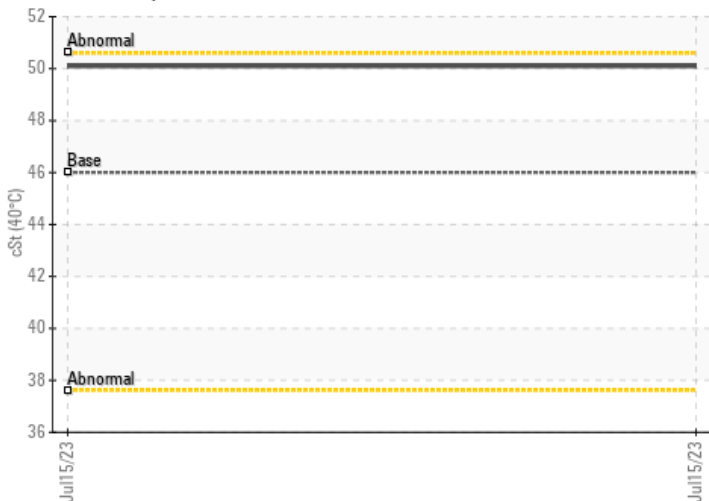
### Ferrous Alloys



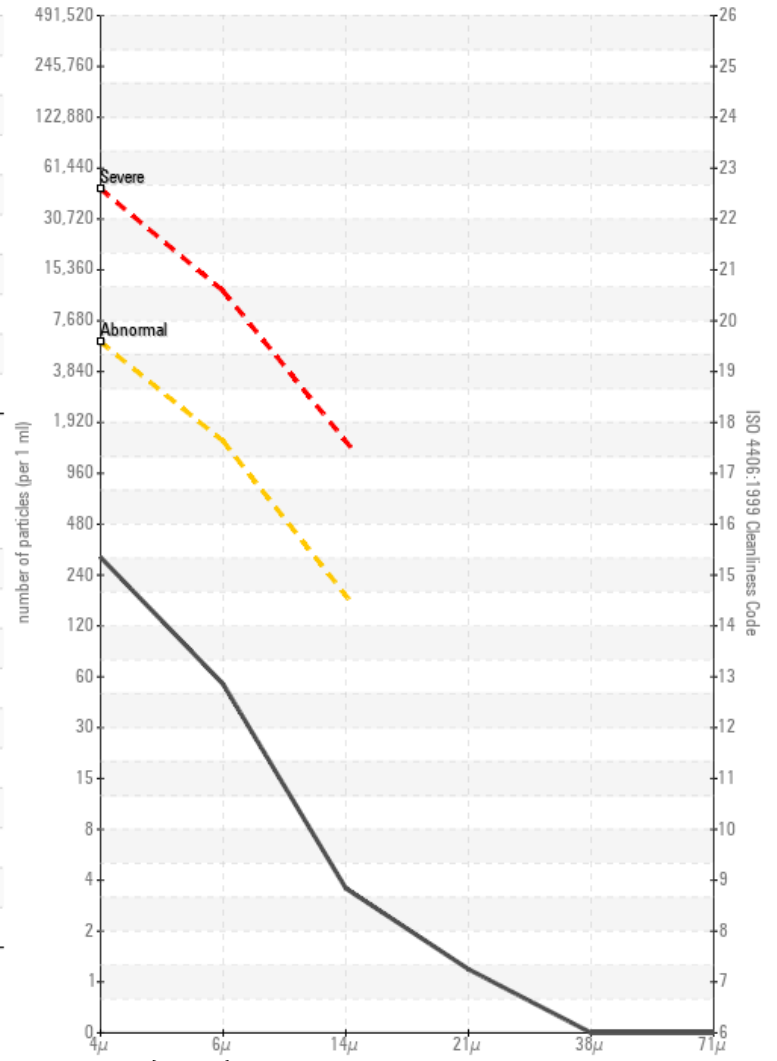
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

