



# CONSTRUCTION EQUIPMENT

## SPM621247 SEG 30 CATERPILLAR 349 2000820 - HYDRAULIC SYSTEM



**Sample No:** VCP367808  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM621247 SEG 30



### SAMPLE INFORMATION

Sample Number	VCP367808	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	8116	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**ADAMO DEMOLITION COMPANY**  
 320 EAST 7 MILE RD  
 DETROIT, MI  
 US 48203  
 Contact: SERVICE MANAGER



### OIL CONDITION

Visc @ 40°C	cSt	▲ 25.08	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.57	---	---	---

T:  
F:



### CONTAMINATION

Particles >4µm		■ 4303	---	---	---
Particles >6µm		■ 207	---	---	---
Particles >14µm		■ 8	---	---	---
ISO 4406:1999 (c)		19/15/10	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



### WEAR METALS

Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 13	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 118	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 568	---	---	---
Phosphorus	ppm	■ 436	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** ADADET  
**Unique No:** 10728813  
**Signed:** Jonathan Hester  
**Report Date:** 14 Nov 2023

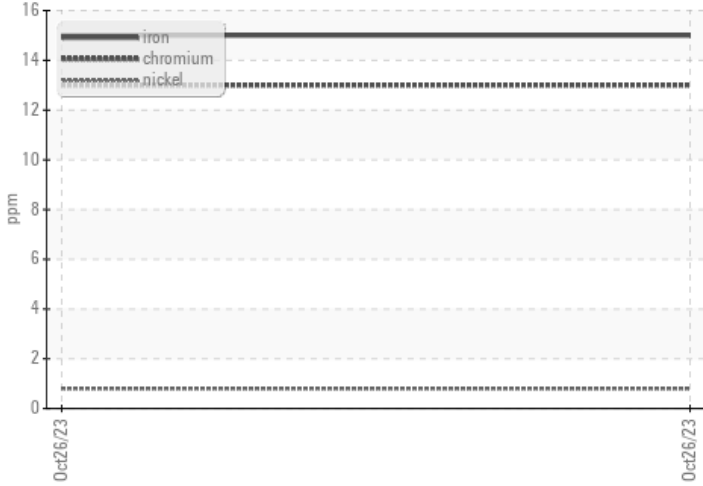


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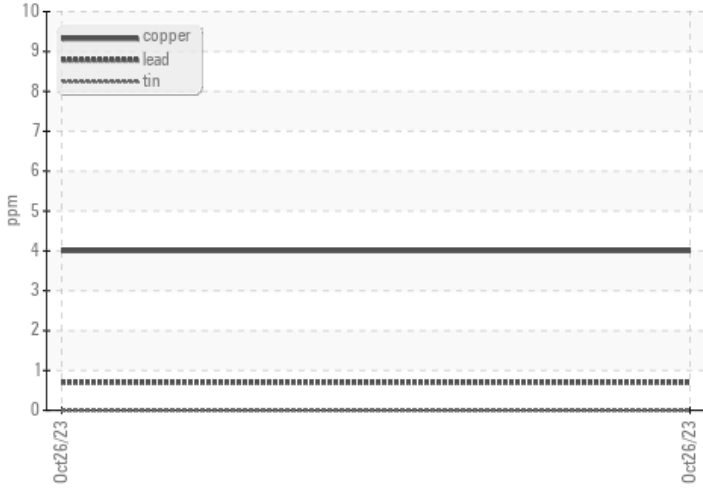


## GRAPHS

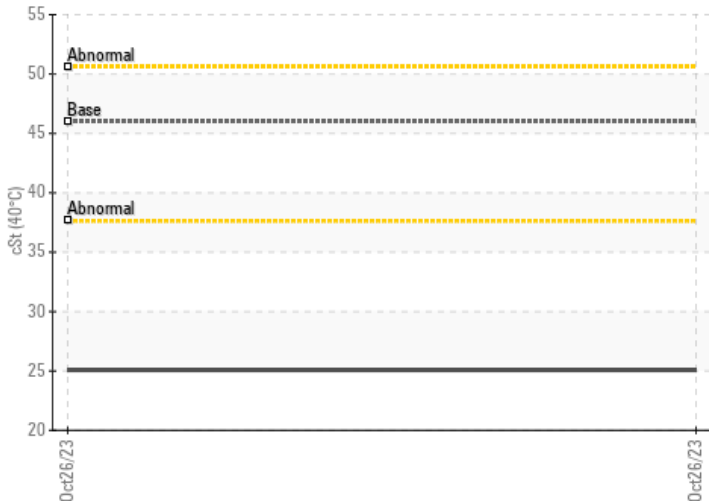
### Ferrous Alloys



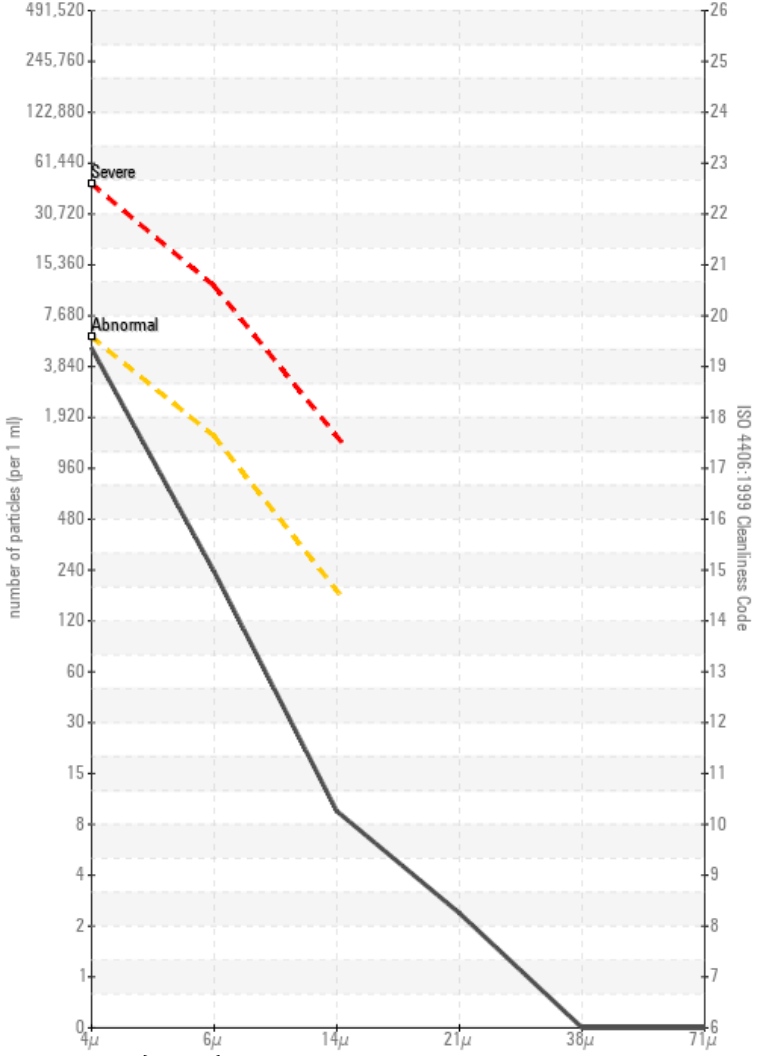
### Non-ferrous Metals



### ▲ Viscosity @ 40°C



### Particle Count



### Acid Number

