



# CONSTRUCTION EQUIPMENT

## SPM567536 KOMATSU PC290LC A25486 - HYDRAULIC SYSTEM



**Sample No:** VCP404353  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM567536



### SAMPLE INFORMATION

Sample Number	VCP404353	---	---	---
Sample Date	26 Jun 2023	---	---	---
Machine Hours	5013	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**JOHN KENO & CO**  
 750 RICARD LN  
 ELK GROVE VILLAGE, IL  
 US 60007  
 Contact: LUKAS DECKER  
 ldecker@johnkeno.com  
 T: (847)340-2432  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 44.7	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.39	---	---	---



### CONTAMINATION

Particles >4µm		▲ 71560	---	---	---
Particles >6µm		▲ 6142	---	---	---
Particles >14µm		■ 150	---	---	---
ISO 4406:1999 (c)		23/20/14	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 4	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. There is a high amount of silt (particulates < 14 microns in size) present 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	▲ 28	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 83	---	---	---
Magnesium	ppm	■ 11	---	---	---
Zinc	ppm	■ 149	---	---	---
Phosphorus	ppm	■ 221	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** JOHELK  
**Unique No:** 10548659  
**Signed:** Doug Bogart  
**Report Date:** 10 Jul 2023



# CONSTRUCTION EQUIPMENT

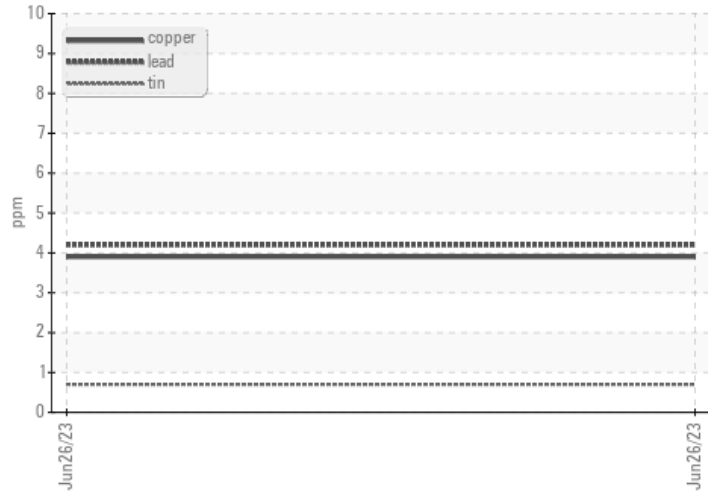


## GRAPHS

### ▲ Ferrous Alloys



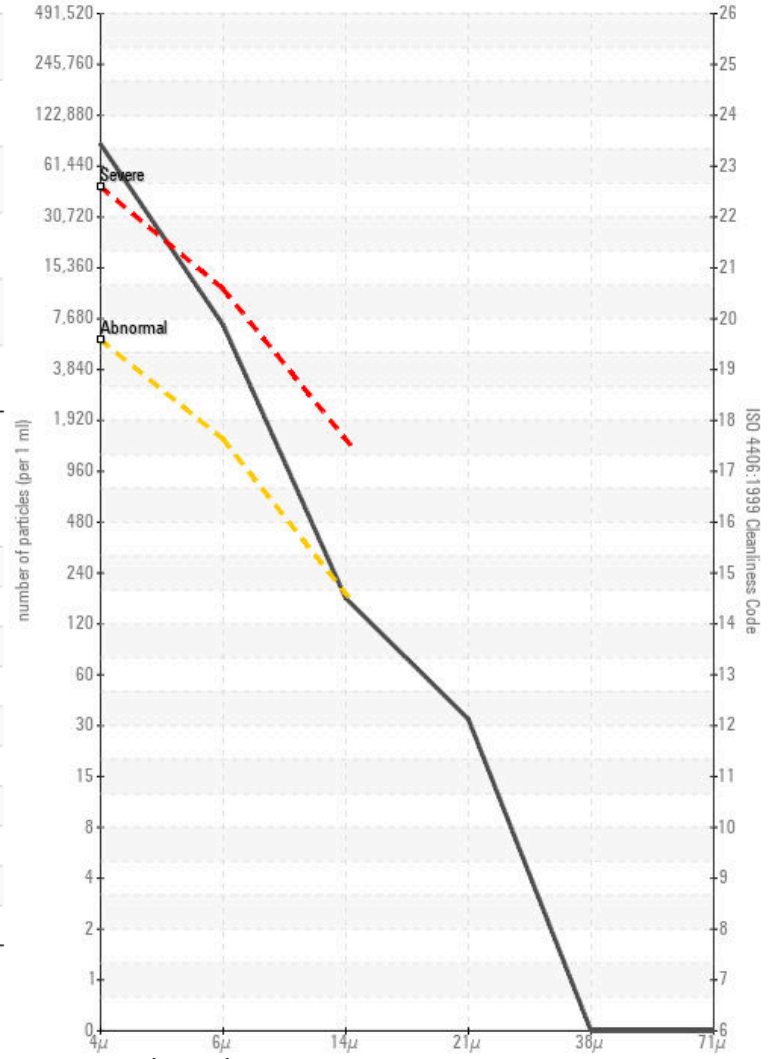
### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number

