



# CONSTRUCTION EQUIPMENT

## RANGO HITACHI EX1200-7B 7376 - HYDRAULIC SYSTEM



**Sample No:** VCP388309  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** RANGO



### SAMPLE INFORMATION

Sample Number	VCP388309	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	2749	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.18	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 13269	---	---	---
Particles >6µm		█ 1225	---	---	---
Particles >14µm		█ 68	---	---	---
ISO 4406:1999 (c)		21/17/13	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	█ 13	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 50	---	---	---
Phosphorus	ppm	█ 309	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 11019877  
**Signed:** Don Baldrige  
**Report Date:** 14 May 2024

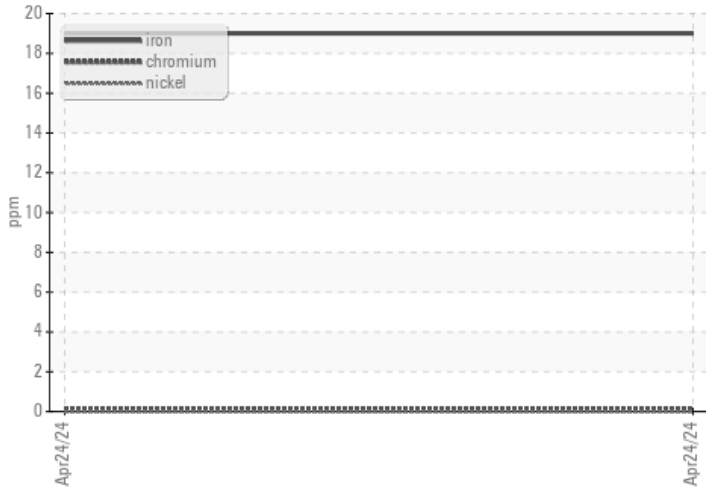


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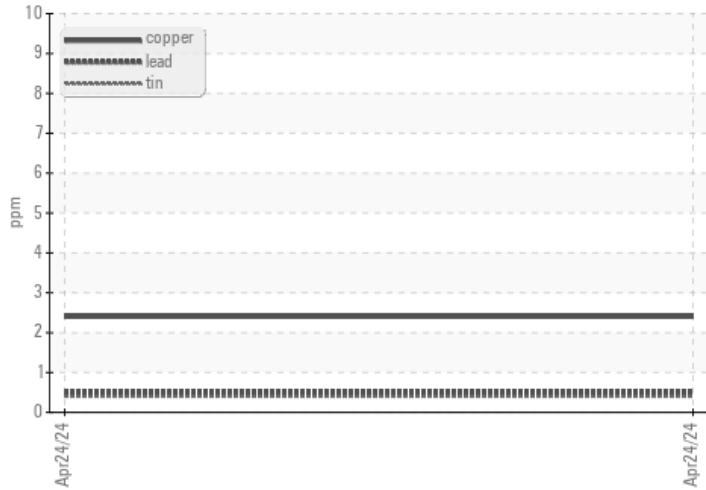


## GRAPHS

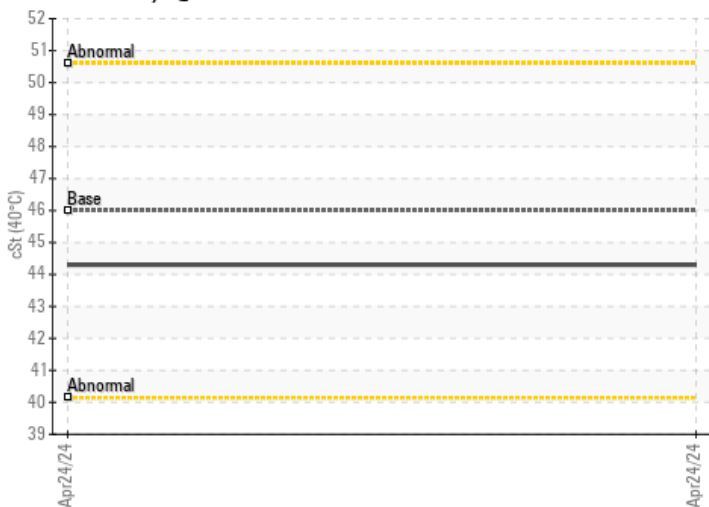
### Ferrous Alloys



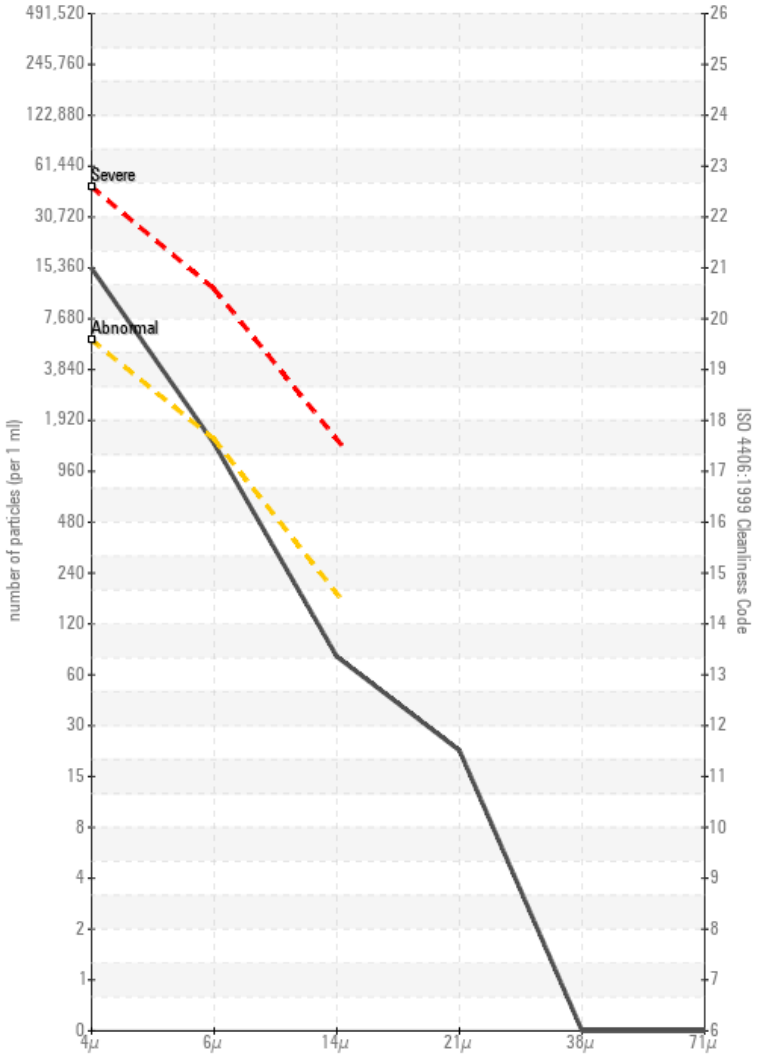
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

