



# CONSTRUCTION EQUIPMENT

## SW1033237 IAA 7 VOLVO L90H 626385 - HYDRAULIC SYSTEM



**Sample No:** VCP436322  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SW1033237 IAA 7



### SAMPLE INFORMATION

Sample Number	VCP436322	---	---	---
Sample Date	24 Apr 2024	---	---	---
Machine Hours	4093	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
 Contact: RANDY PRZEKURAT  
 randyp@arnoldmachinery.com  
 T:  
 F: (602)414-1904



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 6039	---	---	---
Particles >6µm		● 1942	---	---	---
Particles >14µm		● 176	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

### Diagnosis

The 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 a light 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	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 77	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 437	---	---	---
Phosphorus	ppm	█ 345	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 11006349  
**Signed:** Wes Davis  
**Report Date:** 02 May 2024

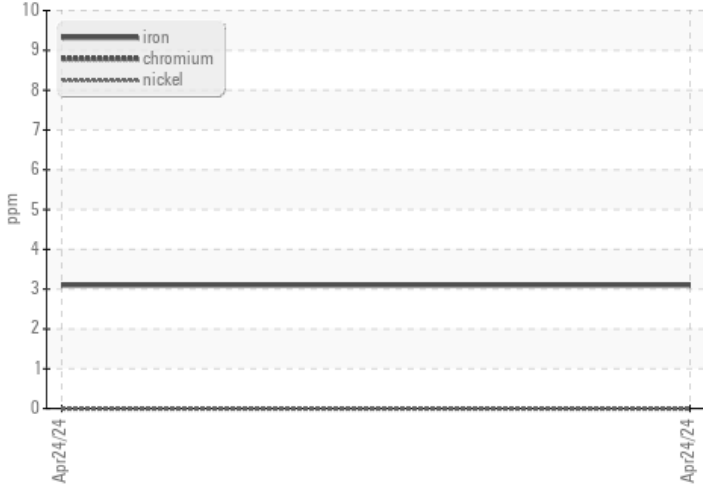


# CONSTRUCTION EQUIPMENT

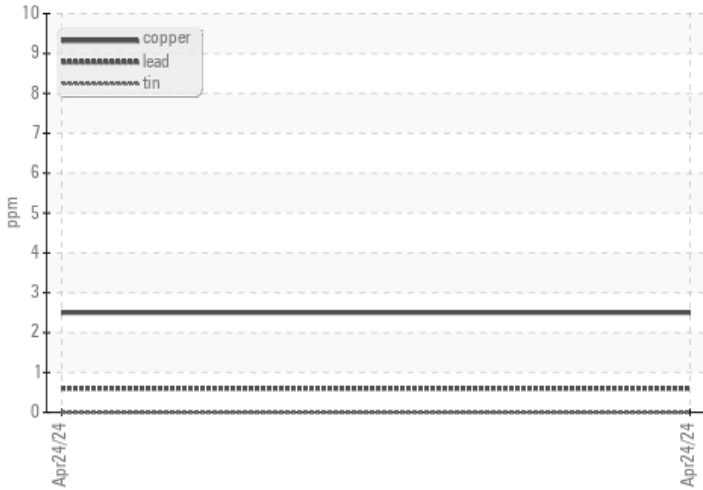


## GRAPHS

### Ferrous Alloys



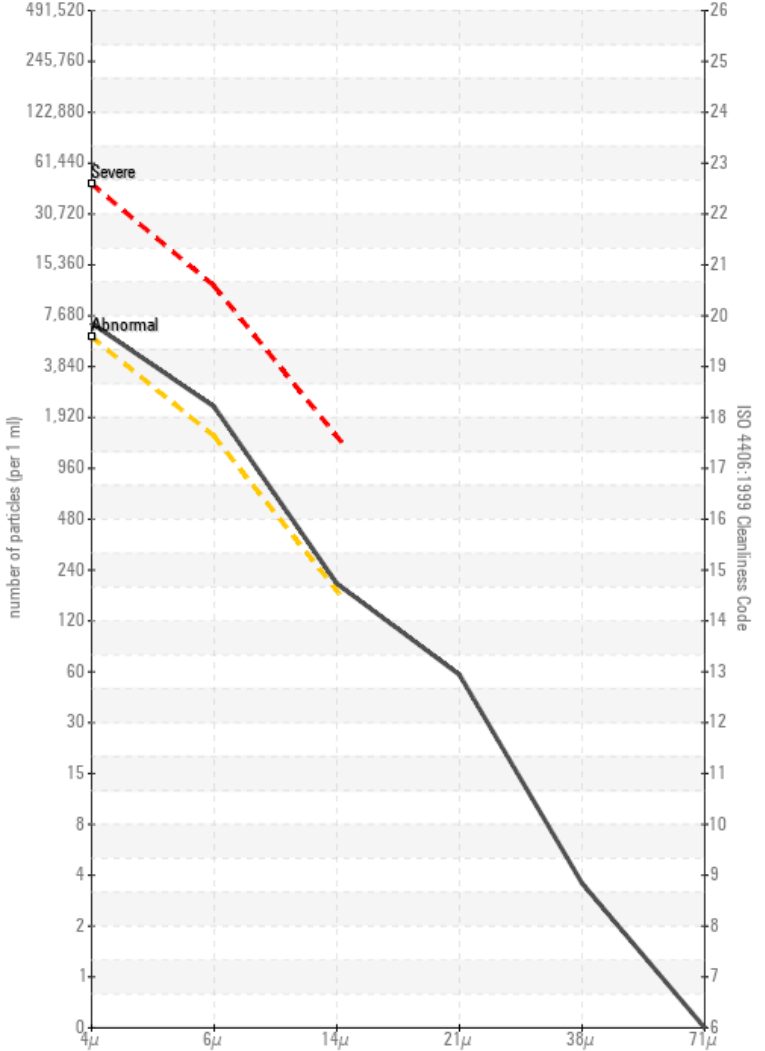
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

