



# CONSTRUCTION EQUIPMENT

## SW1020471 EWING IRRI VOLVO L60H 622769 - HYDRAULIC SYSTEM



**Sample No:** VCP406955  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SW1020471 EWING IRRI



### SAMPLE INFORMATION

Sample Number	VCP406955	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	2163	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 42.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.24	---	---	---



### CONTAMINATION

Particles >4µm		8285	---	---	---
Particles >6µm		▲ 2705	---	---	---
Particles >14µm		▲ 220	---	---	---
ISO 4406:1999 (c)		20/19/15	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 1	---	---	---

### Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 62	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 464	---	---	---
Phosphorus	ppm	█ 356	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 10549390  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2023

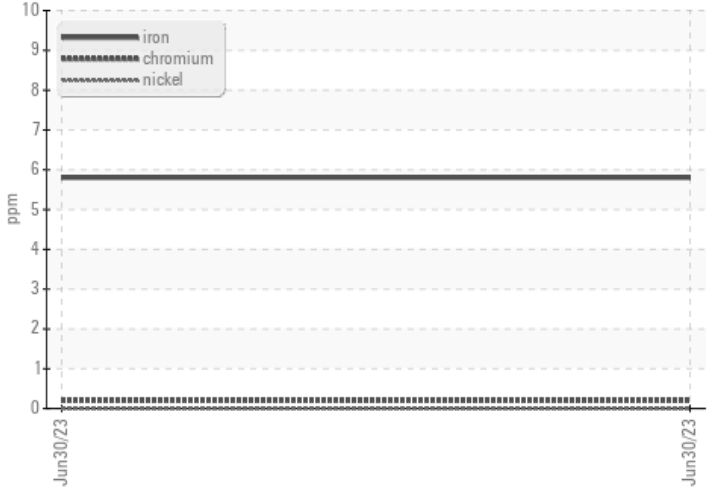


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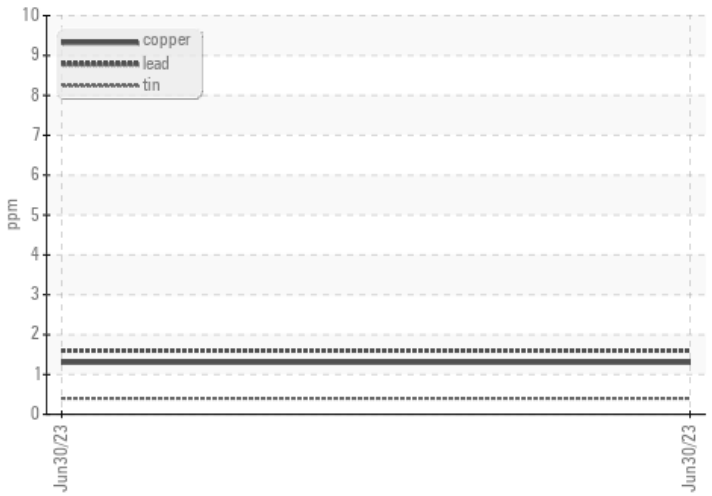


## GRAPHS

Ferrous Alloys



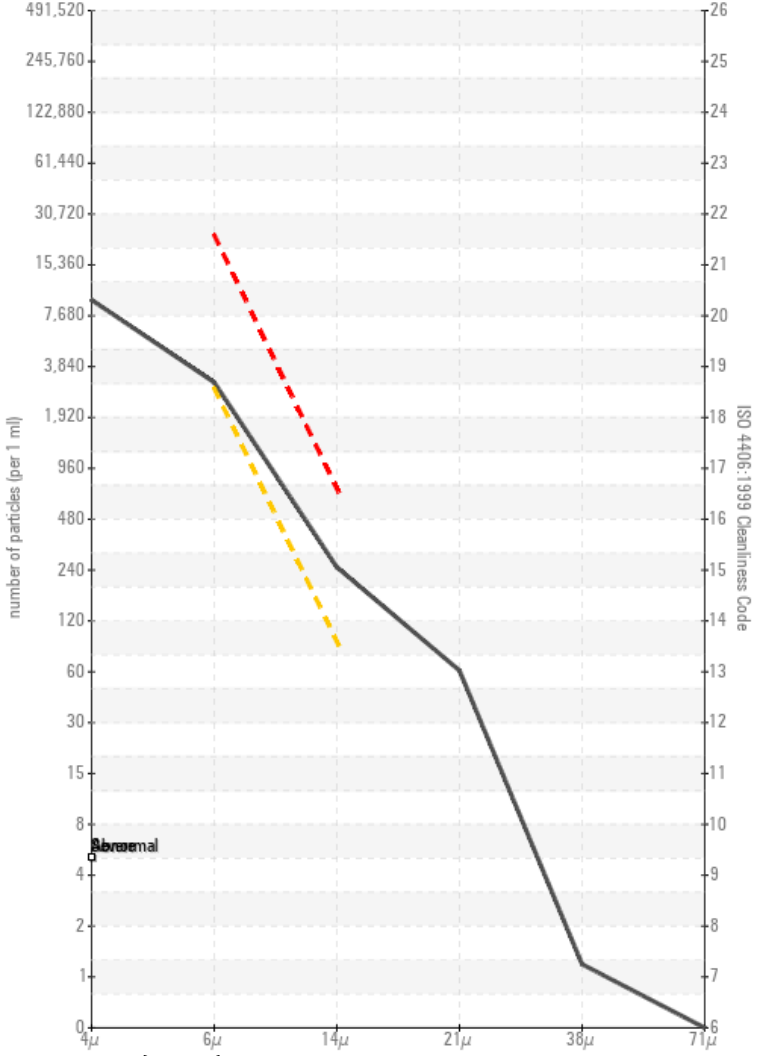
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

