



# CONSTRUCTION EQUIPMENT

## A12804 VOLVO L90H 624901 - HYDRAULIC SYSTEM



**Sample No:** VCP453637  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A12804



### SAMPLE INFORMATION

Sample Number	VCP453637	VCP408154	---	---
Sample Date	12 Jun 2024	27 Jan 2024	---	---
Machine Hours	9790	9070	---	---
Oil Hours	500	2000	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

**WASTE MANAGEMENT - TELFORD**  
 400 PROGRESS DR  
 TELFORD, PA  
 US 18969-1191  
 Contact: EDWARD ROGENER  
 erogener@wm.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	█ 42.6	█ 41.7	---	---
Acid Number (AN)	mg KOH/g	█ 0.33	█ 0.41	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 2268	█ 1093	---	---
Particles >6µm		█ 731	█ 337	---	---
Particles >14µm		█ 33	█ 30	---	---
ISO 4406:1999 (c)		█ 18/17/12	█ 17/16/12	---	---
Silicon	ppm	█ 2	█ 3	---	---
Sodium	ppm	█ 7	█ <1	---	---
Potassium	ppm	█ 4	█ 1	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

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

### ADDITIVES

Calcium	ppm	█ 102	█ 61	---	---
Magnesium	ppm	█ 8	█ 2	---	---
Zinc	ppm	█ 474	█ 439	---	---
Phosphorus	ppm	█ 368	█ 363	---	---
Barium	ppm	█ 0	█ 13	---	---
Boron	ppm	█ <1	█ 0	---	---

**Depot:** WASTEL  
**Unique No:** 11088598  
**Signed:** Wes Davis  
**Report Date:** 21 Jun 2024

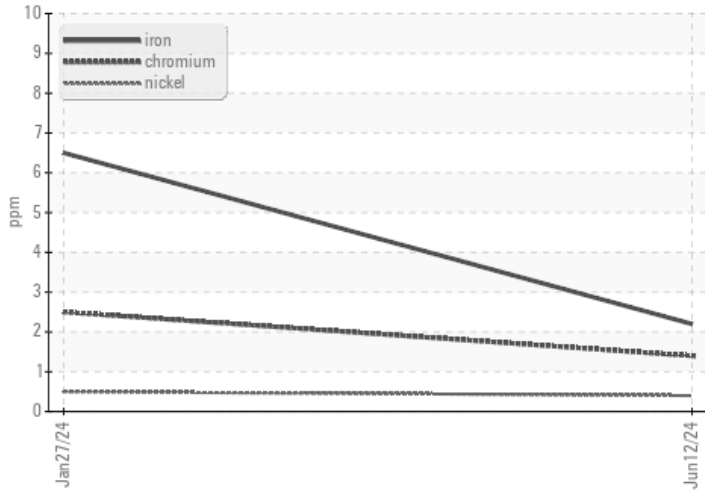


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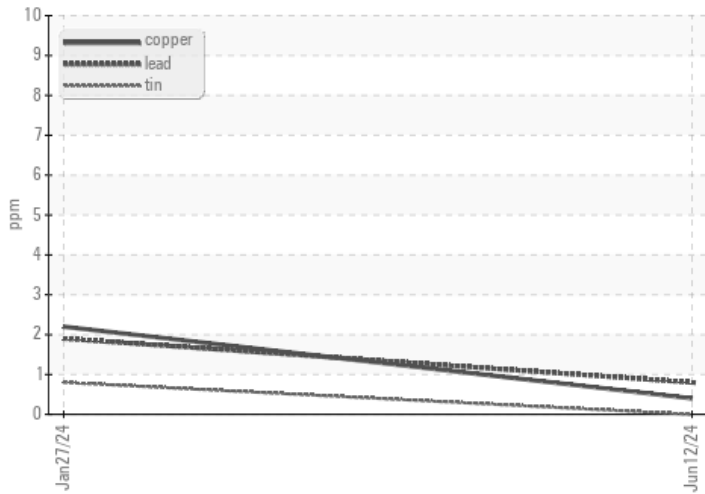


## GRAPHS

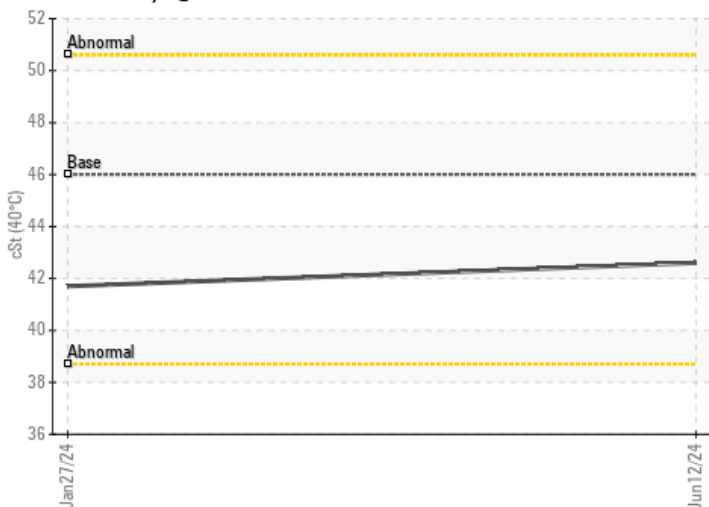
### Ferrous Alloys



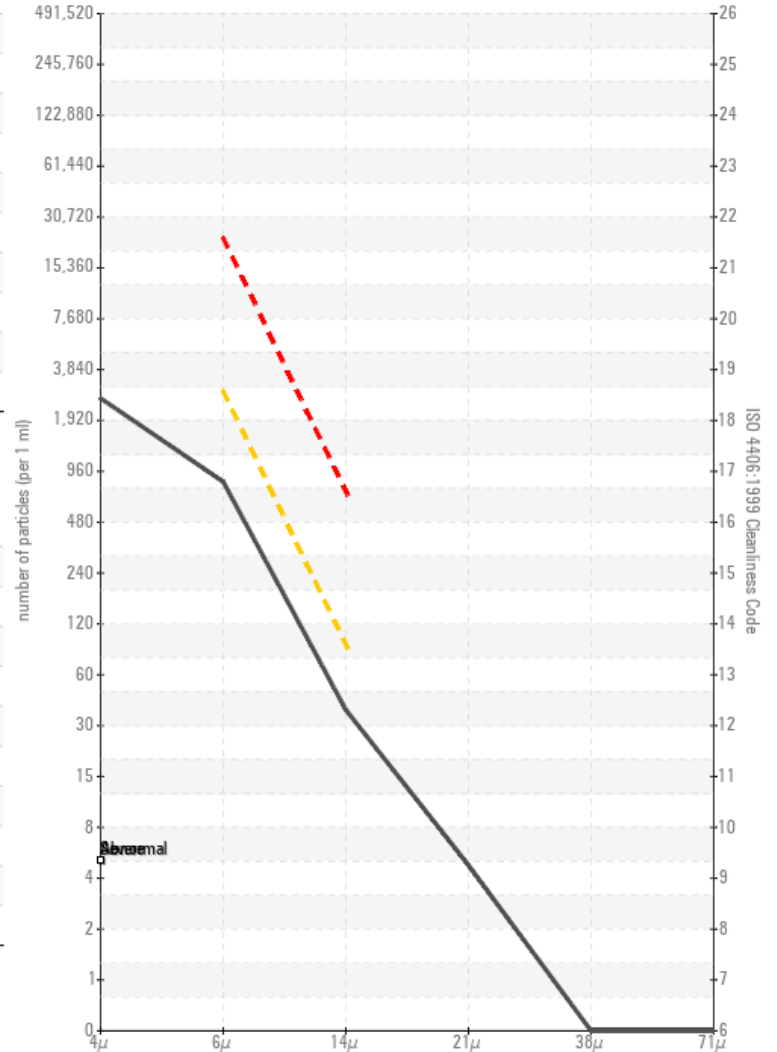
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

