



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 6991 - HYDRAULIC SYSTEM



**Sample No:** VCP449231  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP449231	VCP344386	---	---
Sample Date	11 Jan 2024	04 Jun 2022	---	---
Machine Hours	2001	991	---	---
Oil Hours	0	991	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 44.4	█ 43.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	█ 0.31	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 37651	▲ 7769	---	---
Particles >6µm		▲ 5095	█ 1054	---	---
Particles >14µm		█ 59	█ 95	---	---
ISO 4406:1999 (c)		22/20/13	20/17/14	---	---
Silicon	ppm	█ 1	█ 1	---	---
Sodium	ppm	█ 1	█ 0	---	---
Potassium	ppm	█ 2	█ 1	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 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	█ <1	█ 2	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ 3	█ 2	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ 1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ <1	█ 0	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 52	█ 48	---	---
Magnesium	ppm	█ 3	█ <1	---	---
Zinc	ppm	█ 420	█ 434	---	---
Phosphorus	ppm	█ 337	█ 323	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 0	█ <1	---	---

**Depot:** RIPTAM  
**Unique No:** 10863380  
**Signed:** Wes Davis  
**Report Date:** 07 Feb 2024

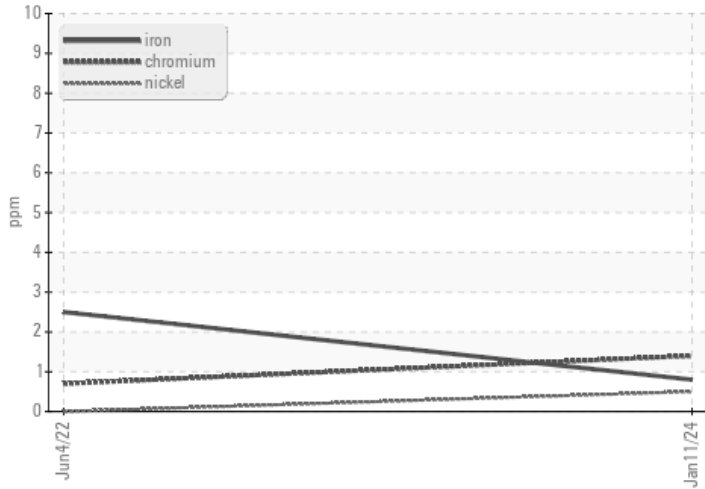


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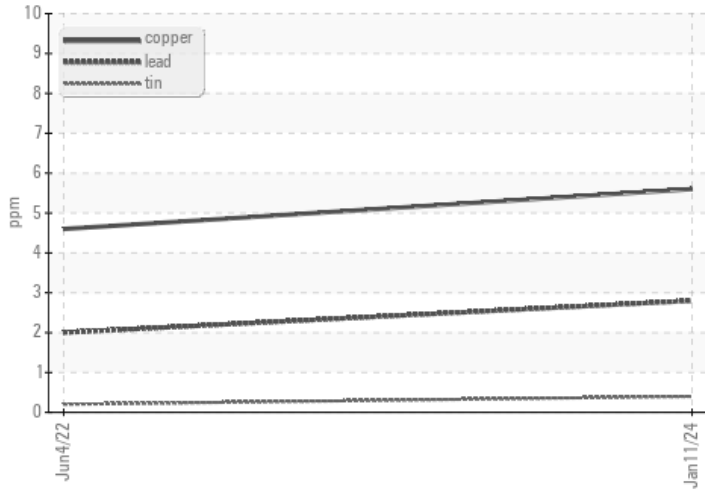


## GRAPHS

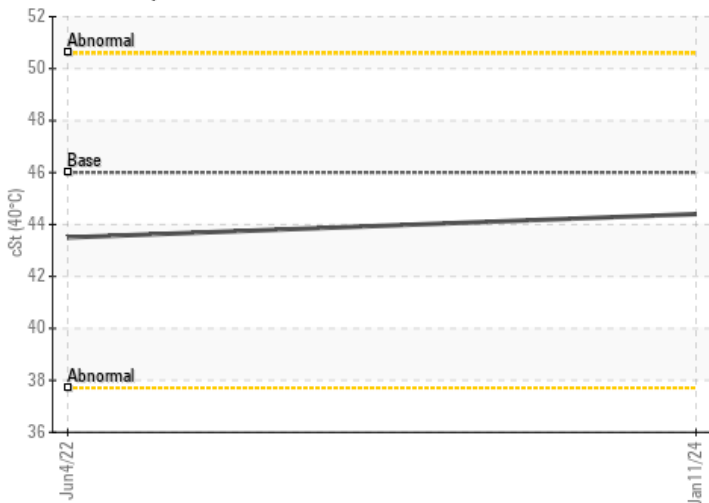
### Ferrous Alloys



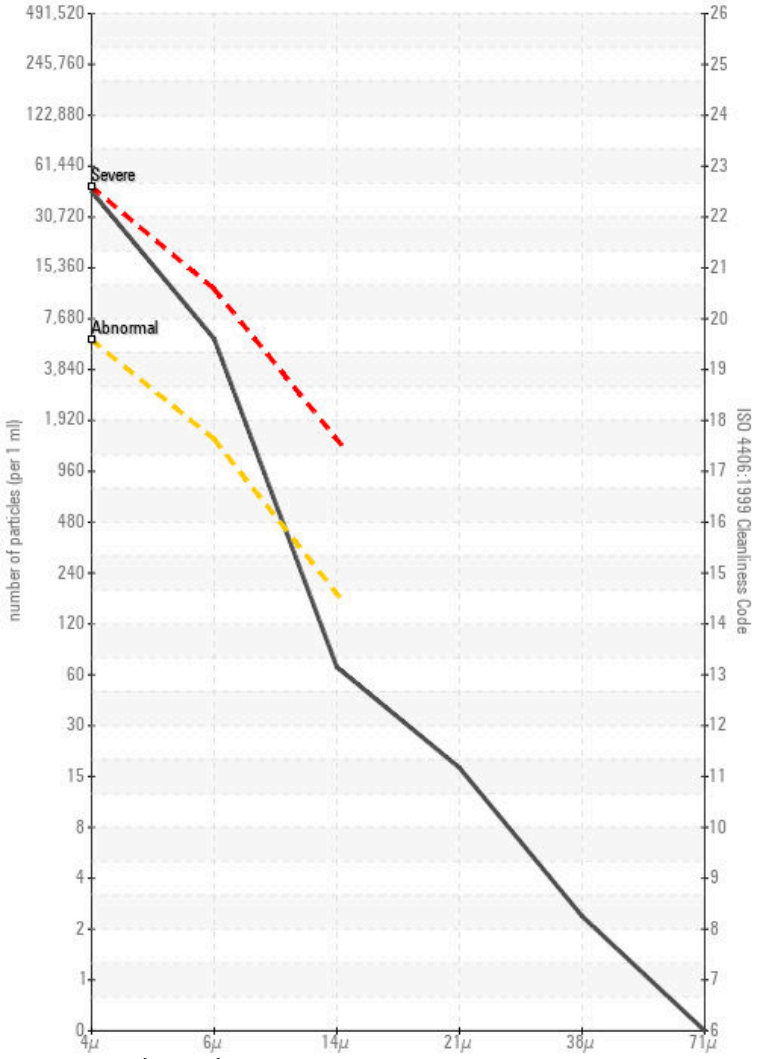
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

