



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 7248 - HYDRAULIC SYSTEM



**Sample No:** VCP404271

**Oil Type:** FACTORY

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP404271</b>	VCP416325	---	---
Sample Date	<b>02 Nov 2023</b>	01 Sep 2023	---	---
Machine Hours	<b>486</b>	253	---	---
Oil Hours	<b>486</b>	253	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ATTENTION</b>	NORMAL	---	---

### MARYLAND ENVIRONMENTAL SERVICES

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DICKERSON, MD  
US 20842

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	43.0	---	---
Acid Number (AN)	mg KOH/g	<b>0.46</b>	0.46	---	---



### CONTAMINATION

Particles >4µm		<b>7937</b>	1153	---	---
Particles >6µm		<b>1783</b>	111	---	---
Particles >14µm		<b>149</b>	8	---	---
ISO 4406:1999 (c)		<b>20/18/14</b>	17/14/10	---	---
Silicon	ppm	<b>&lt;1</b>	<1	---	---
Sodium	ppm	<b>2</b>	1	---	---
Potassium	ppm	<b>0</b>	0	---	---

### Diagnosis

We recommend you service the filters on this component. 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	<b>3</b>	<1	---	---
Copper	ppm	<b>1</b>	1	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>0</b>	0	---	---
Chromium	ppm	<b>0</b>	0	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>62</b>	62	---	---
Magnesium	ppm	<b>1</b>	0	---	---
Zinc	ppm	<b>440</b>	439	---	---
Phosphorus	ppm	<b>326</b>	341	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	0	---	---

**Depot:** MARDIC  
**Unique No:** 10729364  
**Signed:** Wes Davis  
**Report Date:** 08 Nov 2023

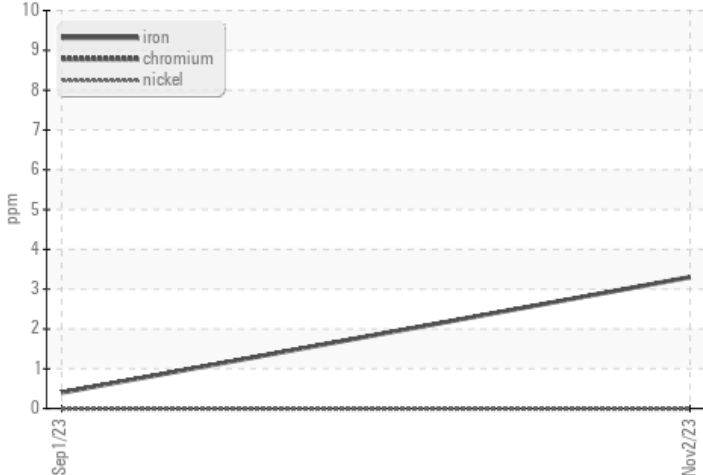


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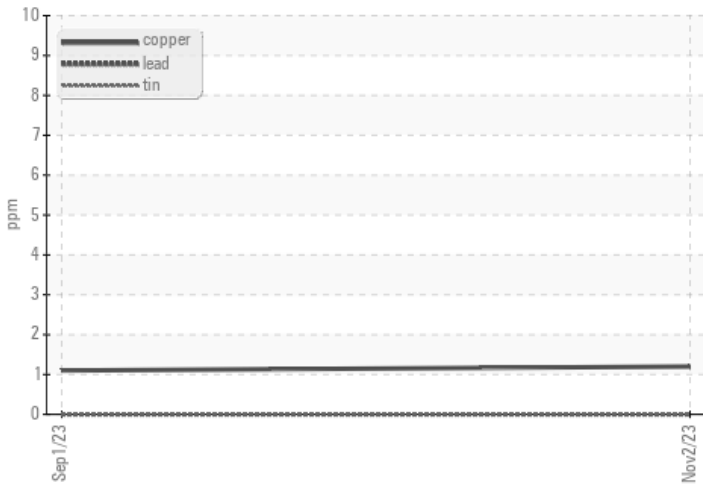


## GRAPHS

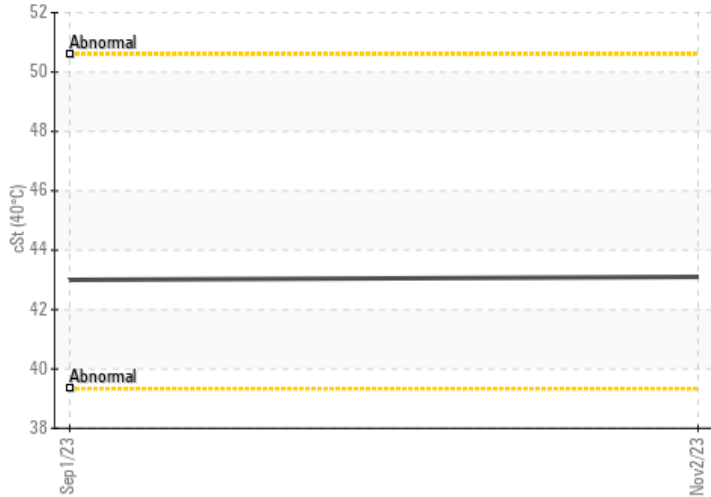
Ferrous Alloys



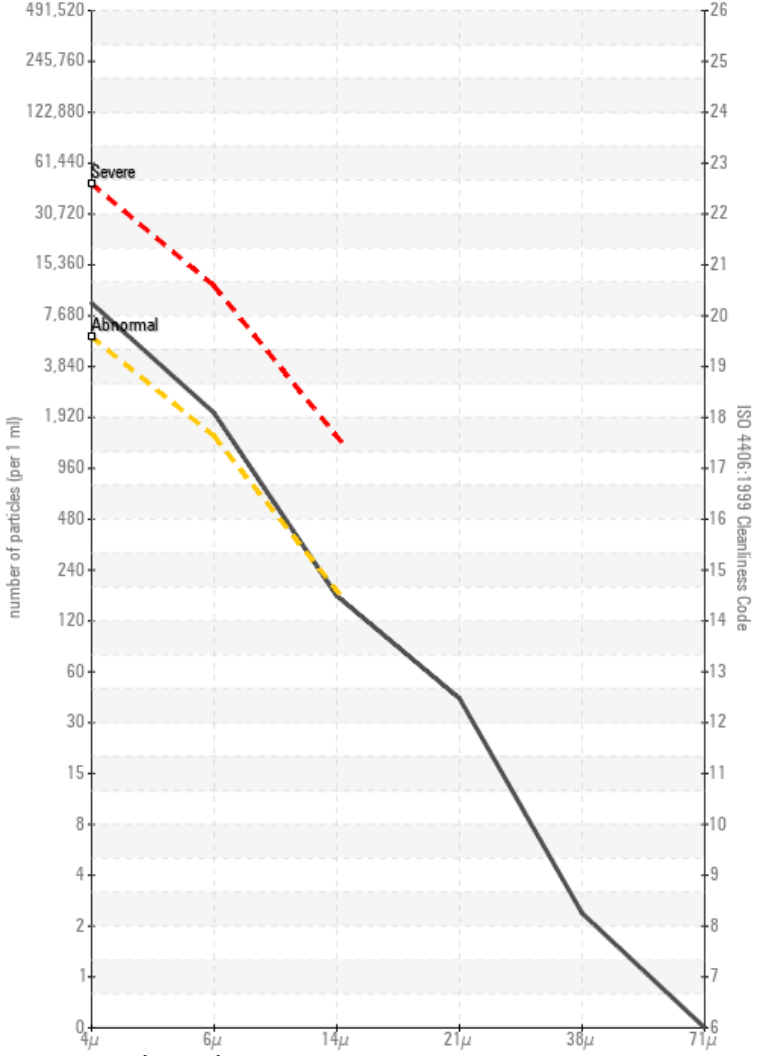
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

