



# CONSTRUCTION EQUIPMENT

## D12864 WM FOND DU LA VOLVO L120H 632883 - HYDRAULIC SYSTEM



**Sample No:** VCP414087  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** D12864 WM FOND DU LA



### SAMPLE INFORMATION

Sample Number	<b>VCP414087</b>	VCP419534	VCP382371	VCP360516
Sample Date	<b>05 Oct 2023</b>	12 Jun 2023	17 Jan 2023	14 Oct 2022
Machine Hours	<b>6027</b>	5382	4350	3666
Oil Hours	<b>1673</b>	1350	4350	3666
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.3</b>	41.7	39.5	40.7
Acid Number (AN)	mg KOH/g	<b>0.25</b>	0.22	0.35	0.31

### CONTAMINATION

Particles >4µm		<b>10899</b>	39313	1243	34702
Particles >6µm		<b>3194</b>	17447	196	7692
Particles >14µm		<b>267</b>	2958	13	633
ISO 4406:1999 (c)		<b>21/19/15</b>	22/21/19	17/15/11	22/20/16
Silicon	ppm	<b>1</b>	1	2	1
Sodium	ppm	<b>&lt;1</b>	1	<1	0
Potassium	ppm	<b>0</b>	0	<1	0

### 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	<b>1</b>	1	3	<1
Copper	ppm	<b>1</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>58</b>	63	65	46
Magnesium	ppm	<b>0</b>	4	8	4
Zinc	ppm	<b>416</b>	419	449	423
Phosphorus	ppm	<b>313</b>	354	367	333
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO0069  
**Unique No:** 10698474  
**Signed:** Wes Davis  
**Report Date:** 18 Oct 2023

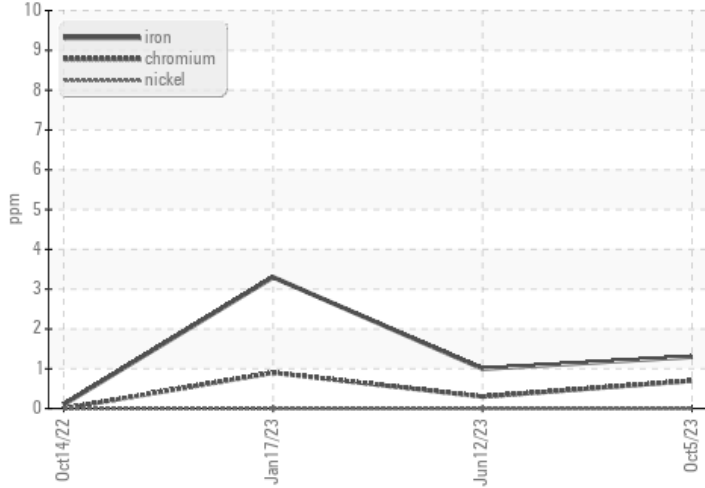


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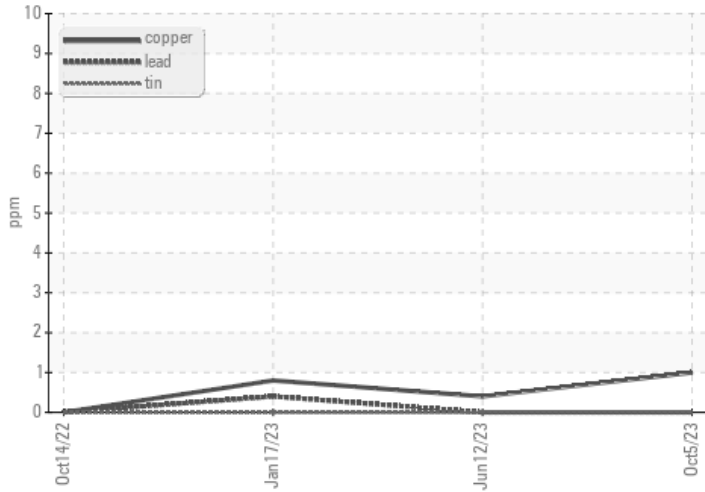


## GRAPHS

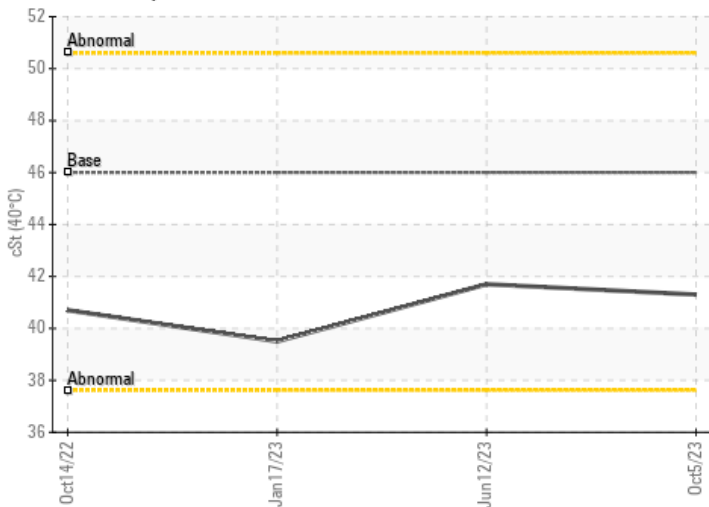
### Ferrous Alloys



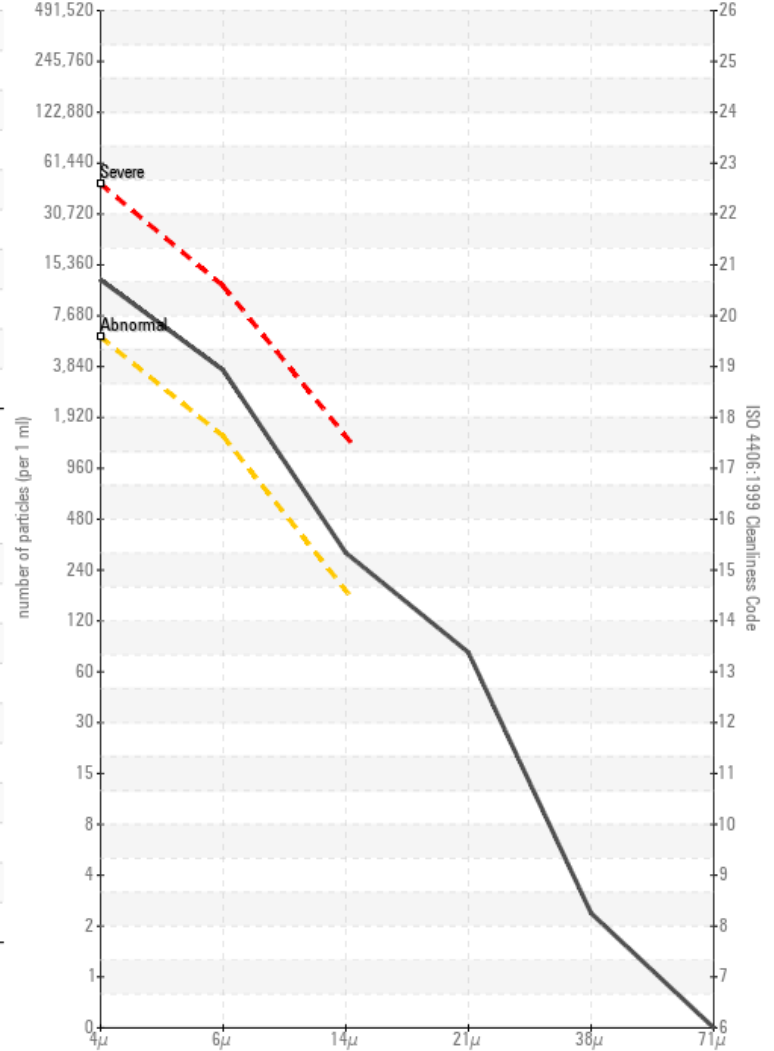
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

