



# CONSTRUCTION EQUIPMENT

SPM634506 WM VOLVO L150H 7136 - HYDRAULIC SYSTEM



**Sample No:** VCP401405  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM634506 WM



## SAMPLE INFORMATION

Sample Number	<b>VCP401405</b>	VCP382901	VCP419565	VCP396488
Sample Date	<b>10 Nov 2023</b>	10 Jul 2023	25 Apr 2023	16 Feb 2023
Machine Hours	<b>1725</b>	980	750	462
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ATTENTION</b>	ATTENTION	ATTENTION	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	42.2	42.4	42.6
Acid Number (AN)	mg KOH/g	<b>0.33</b>	0.28	0.21	0.38

## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>▲ 5067</b>	▲ 5658	▲ 6312	4027
Particles >6µm		<b>252</b>	1016	1014	673
Particles >14µm		<b>21</b>	86	77	53
ISO 4406:1999 (c)		<b>20/15/12</b>	20/17/14	20/17/13	19/17/13
Silicon	ppm	<b>&lt;1</b>	<1	<1	<1
Sodium	ppm	<b>2</b>	0	0	0
Potassium	ppm	<b>0</b>	1	0	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>0</b>	1	0	0
Copper	ppm	<b>2</b>	2	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	0	<1	0
Chromium	ppm	<b>2</b>	<1	<1	0
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0

## ADDITIVES

Calcium	ppm	<b>44</b>	55	48	51
Magnesium	ppm	<b>0</b>	1	0	0
Zinc	ppm	<b>351</b>	446	433	364
Phosphorus	ppm	<b>276</b>	334	340	303
Barium	ppm	<b>0</b>	1	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO8885  
**Unique No:** 10766936  
**Signed:** Wes Davis  
**Report Date:** 04 Dec 2023

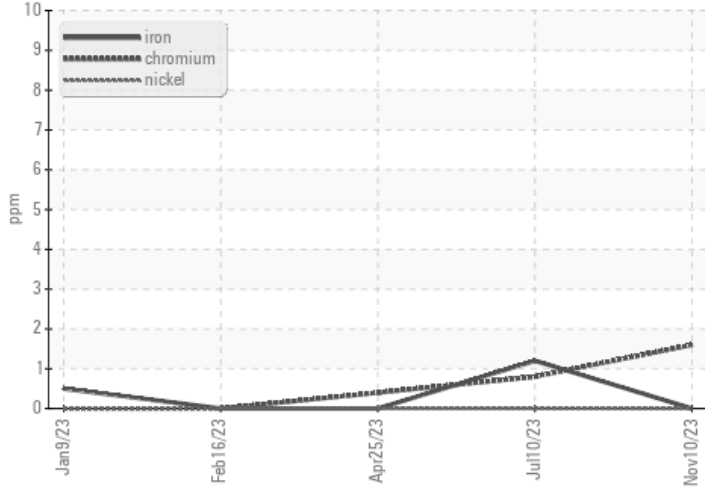


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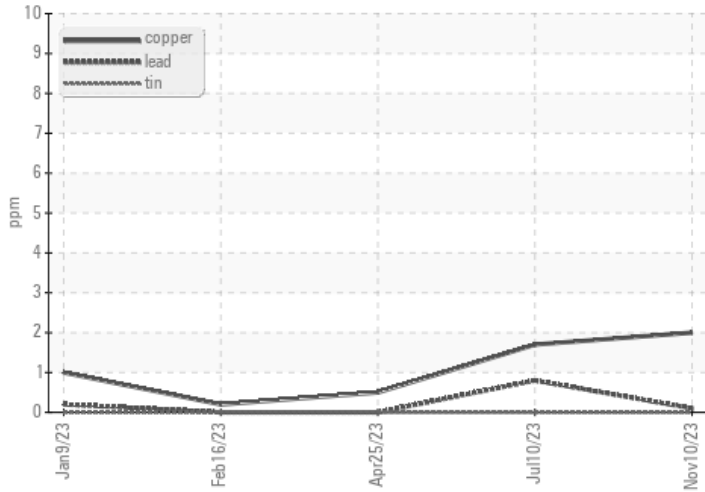


## GRAPHS

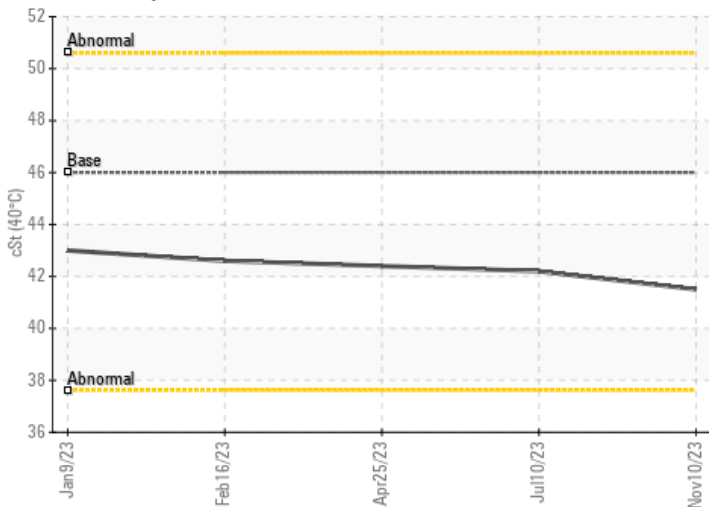
### Ferrous Alloys



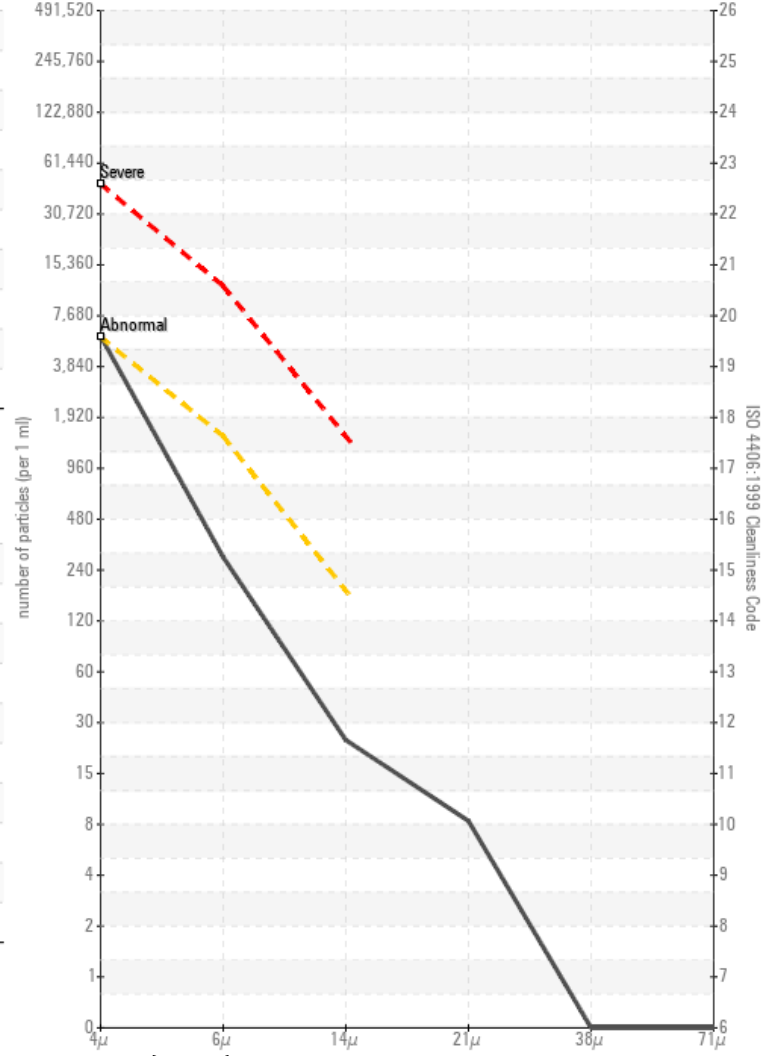
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

