



# CONSTRUCTION EQUIPMENT

## SPM634514 WM VOLVO L150H 7152 - HYDRAULIC SYSTEM



**Sample No:** VCP401403  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM634514 WM



### SAMPLE INFORMATION

Sample Number	<b>VCP401403</b>	VCP425437	VCP420655	VCP409356
Sample Date	<b>10 Nov 2023</b>	12 Sep 2023	26 Jul 2023	05 Jul 2023
Machine Hours	<b>2294</b>	1861	1575	1396
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	41.4	41.8	42.0
Acid Number (AN)	mg KOH/g	<b>0.37</b>	0.35	0.31	0.36



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>4006</b>	▲ 13438	1481	1892
Particles >6µm		<b>405</b>	▲ 2774	290	215
Particles >14µm		<b>39</b>	91	34	12
ISO 4406:1999 (c)		<b>19/16/12</b>	21/19/14	18/15/12	18/15/11
Silicon	ppm	<b>0</b>	<1	1	<1
Sodium	ppm	<b>3</b>	1	2	<1
Potassium	ppm	<b>0</b>	<1	0	0

### 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	<b>0</b>	<1	1	1
Copper	ppm	<b>2</b>	2	2	2
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>0</b>	<1	1	<1
Chromium	ppm	<b>3</b>	2	2	1
Molybdenum	ppm	<b>0</b>	0	0	<1
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	0
Vanadium	ppm	<b>&lt;1</b>	0	<1	<1



### ADDITIVES

Calcium	ppm	<b>44</b>	59	50	68
Magnesium	ppm	<b>0</b>	1	0	6
Zinc	ppm	<b>343</b>	434	419	445
Phosphorus	ppm	<b>274</b>	351	336	354
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO8885  
**Unique No:** 10766935  
**Signed:** Wes Davis  
**Report Date:** 04 Dec 2023

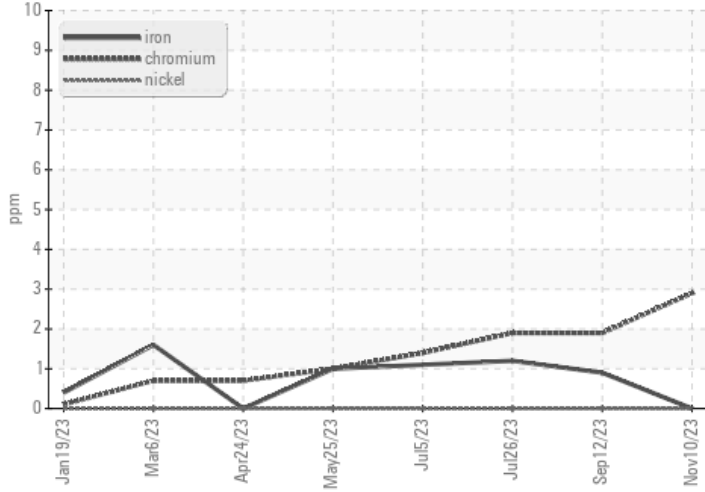


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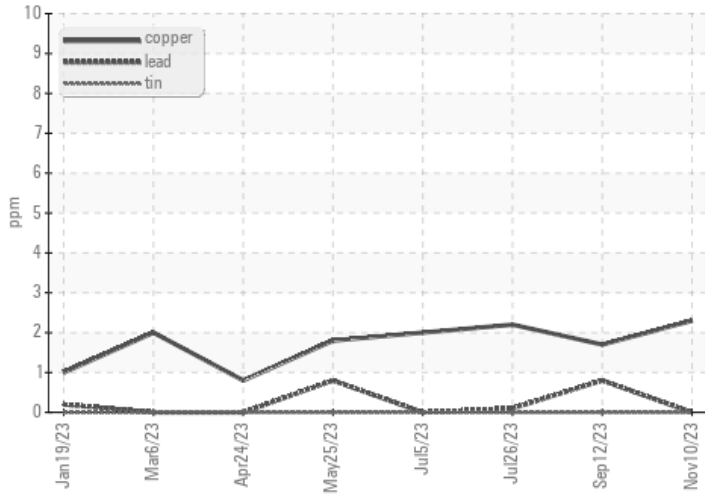


## VOLVO GRAPHS

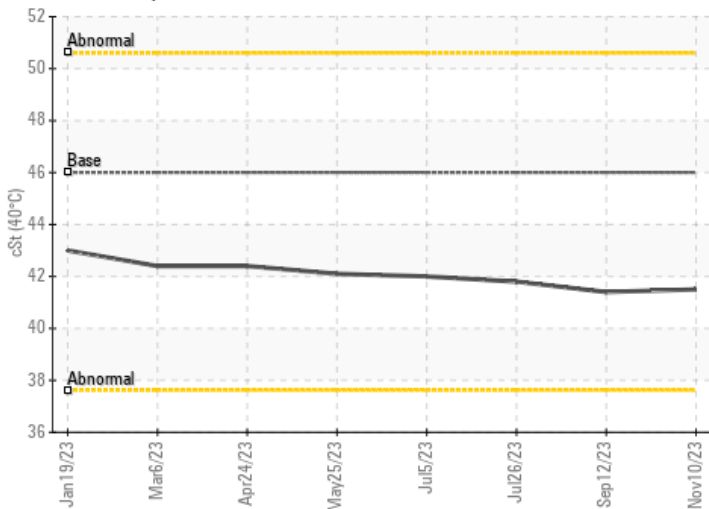
Ferrous Alloys



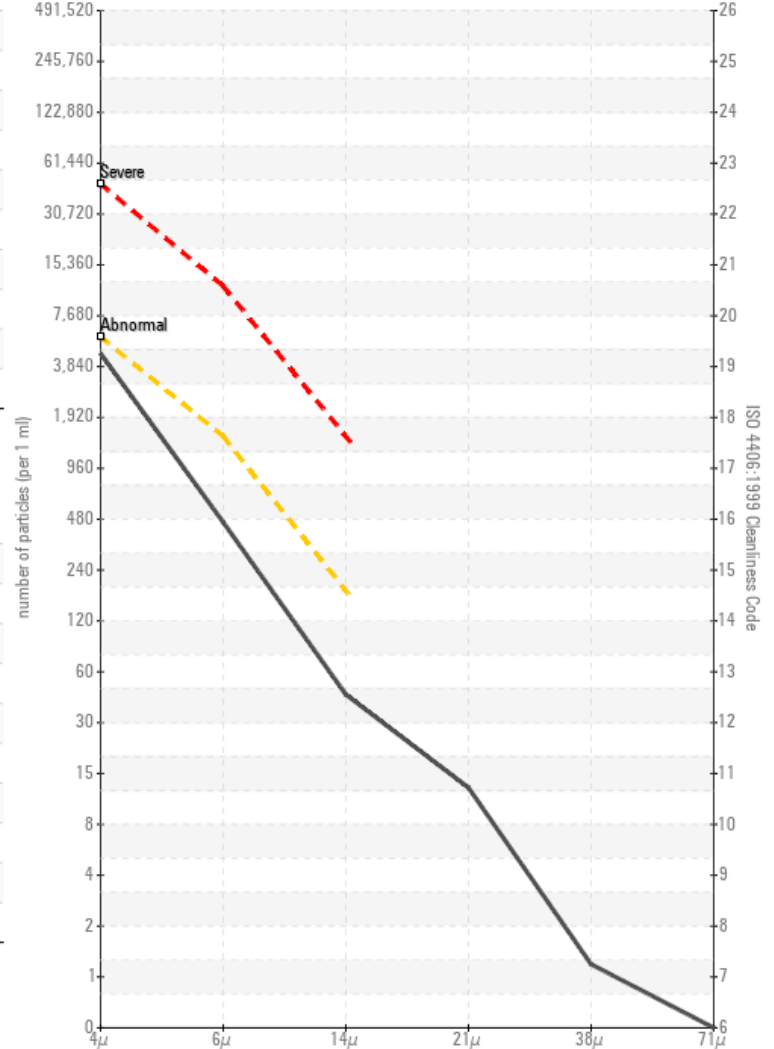
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

