



# CONSTRUCTION EQUIPMENT

## SPM606063 US GYPSUM VOLVO L180H 5572 - HYDRAULIC SYSTEM



**Sample No:** VCP425591  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM606063 US GYPSUM



### SAMPLE INFORMATION

Sample Number	<b>VCP425591</b>	VCP422604	VCP419984	VCP364842
Sample Date	<b>12 Sep 2023</b>	13 Jun 2023	14 Mar 2023	24 Jan 2023
Machine Hours	<b>5421</b>	4720	4201	3714
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ATTENTION	ABNORMAL



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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.3</b>	40.9	41.1	42.5
Acid Number (AN)	mg KOH/g	<b>0.33</b>	0.22	0.32	0.40



### CONTAMINATION

Particles >4µm		<b>23075</b>	13589	6063	15501
Particles >6µm		<b>1048</b>	1429	775	1472
Particles >14µm		<b>49</b>	56	46	23
ISO 4406:1999 (c)		<b>22/17/13</b>	21/18/13	20/17/13	21/18/12
Silicon	ppm	<b>1</b>	2	2	2
Sodium	ppm	<b>2</b>	2	2	2
Potassium	ppm	<b>&lt;1</b>	<1	0	0



### WEAR METALS

Iron	ppm	<b>4</b>	4	5	5
Copper	ppm	<b>1</b>	1	1	2
Lead	ppm	<b>&lt;1</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>323</b>	309	82	86
Magnesium	ppm	<b>4</b>	2	1	3
Zinc	ppm	<b>499</b>	483	411	393
Phosphorus	ppm	<b>414</b>	374	359	348
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>6</b>	6	0	0

### Diagnosis

We recommend you service the filters on this component. 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.

**Depot:** VOLVO8885  
**Unique No:** 10658205  
**Signed:** Wes Davis  
**Report Date:** 22 Sep 2023

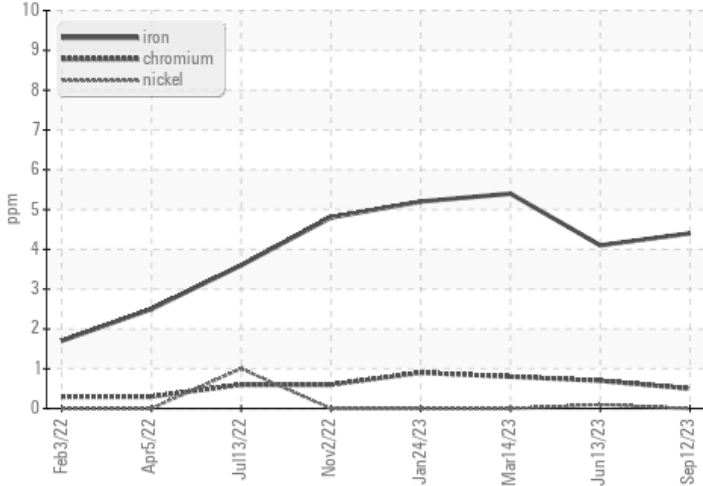


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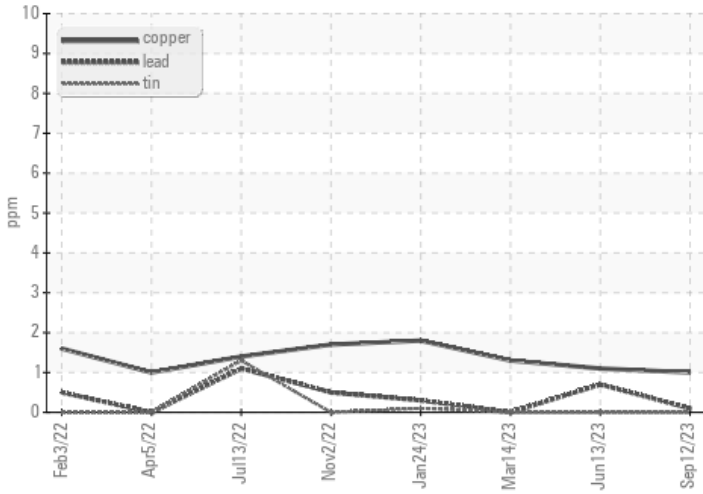


## GRAPHS

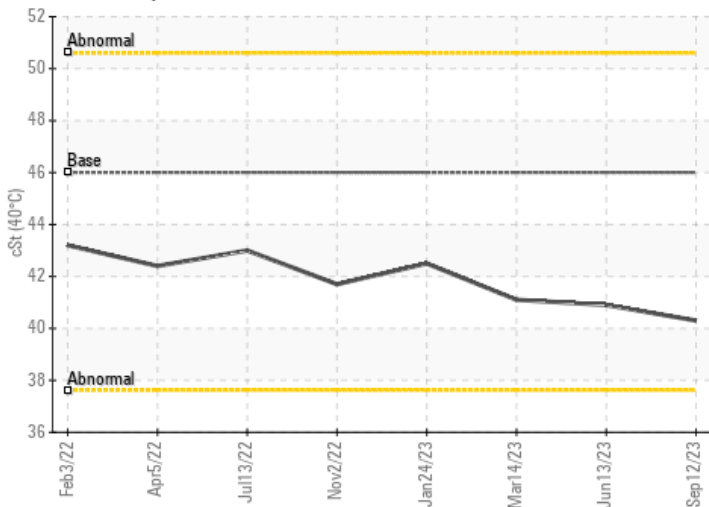
### Ferrous Alloys



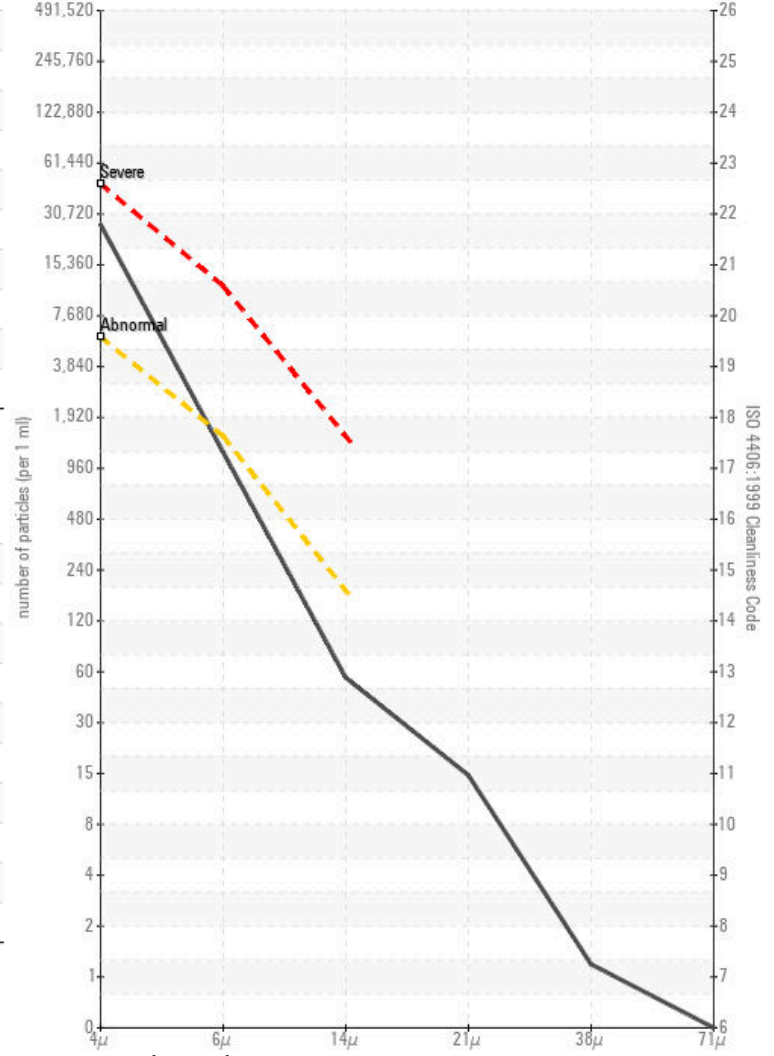
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

