



# CONSTRUCTION EQUIPMENT

## 19480 KOPPERS VOLVO L150H 6982 - HYDRAULIC SYSTEM



**Sample No:** VCP413279  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 19480 KOPPERS



### SAMPLE INFORMATION

Sample Number	<b>VCP413279</b>	VCP421458	VCP0005096	VCP364558
Sample Date	<b>28 Aug 2023</b>	03 May 2023	07 Nov 2022	17 Aug 2022
Machine Hours	<b>2853</b>	1982	1445	1106
Oil Hours	<b>2853</b>	1982	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
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 US 27834  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.0</b>	43.4	43.7	43.6
Acid Number (AN)	mg KOH/g	<b>0.33</b>	0.28	0.32	0.34



### CONTAMINATION

Particles >4µm	<b>2156</b>	4699	2091	3762	
Particles >6µm	<b>327</b>	1147	207	300	
Particles >14µm	<b>11</b>	111	17	26	
ISO 4406:1999 (c)	<b>18/16/11</b>	19/17/14	18/15/11	19/15/12	
Silicon	ppm	<b>2</b>	2	3	2
Sodium	ppm	<b>2</b>	<1	<1	0
Potassium	ppm	<b>2</b>	0	0	2

### 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>4</b>	3	2	2
Copper	ppm	<b>3</b>	3	3	3
Lead	ppm	<b>&lt;1</b>	1	2	2
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>0</b>	3	0	<1
Chromium	ppm	<b>0</b>	0	<1	0
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>&lt;1</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	<1	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>50</b>	50	45	71
Magnesium	ppm	<b>&lt;1</b>	<1	0	<1
Zinc	ppm	<b>440</b>	441	384	470
Phosphorus	ppm	<b>342</b>	341	321	356
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>4</b>	0	0	0

**Depot:** VOLVO8769  
**Unique No:** 10643937  
**Signed:** Wes Davis  
**Report Date:** 13 Sep 2023

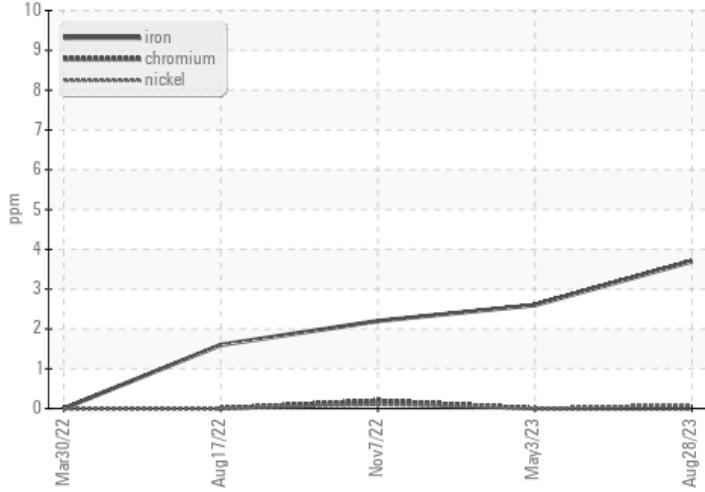


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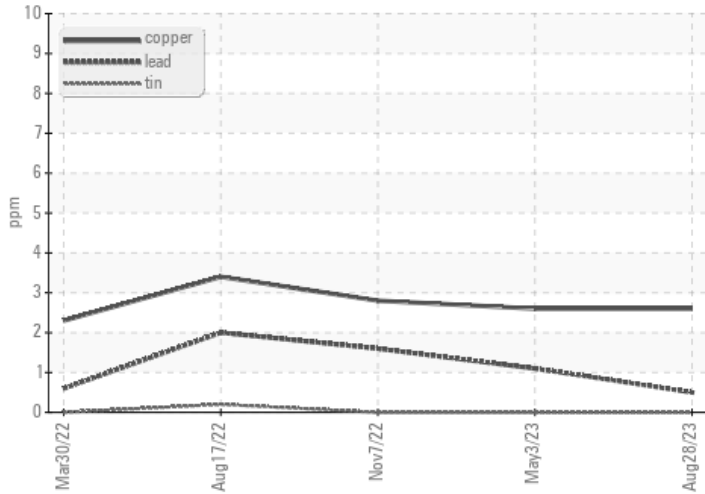


## VOLVO GRAPHS

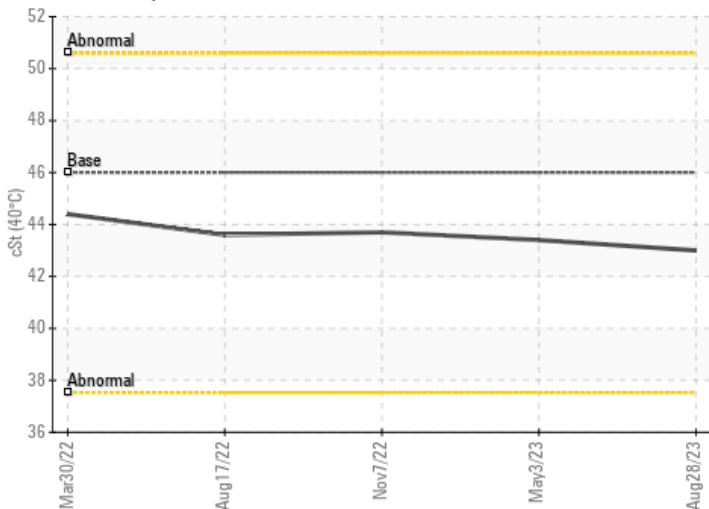
### Ferrous Alloys



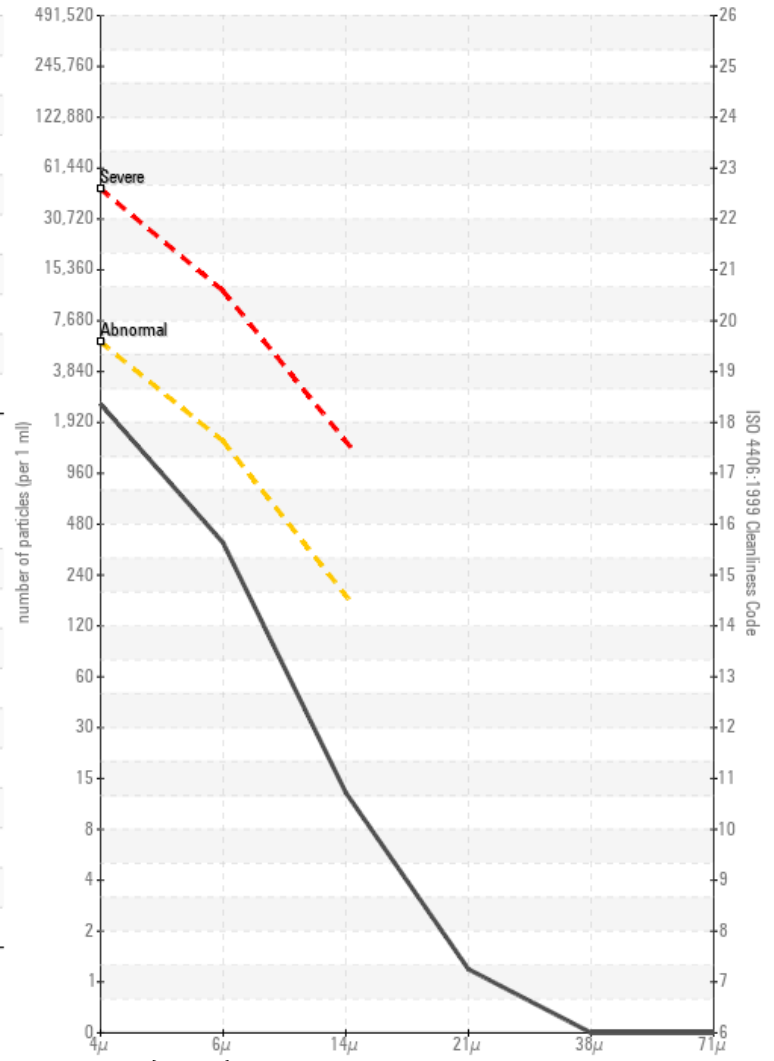
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

