



# CONSTRUCTION EQUIPMENT

## VOLVO L260H 1290 - HYDRAULIC SYSTEM



**Sample No:** VCP414961  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP414961</b>	VCP381650	VCP0004890	VCP391099
Sample Date	<b>22 Aug 2023</b>	15 Feb 2023	20 Dec 2022	03 Oct 2022
Machine Hours	<b>4641</b>	3200	2727	2210
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	N/A	Not Changd
Sample Status	<b>SEVERE</b>	NORMAL	NORMAL	NORMAL

**113 - ASCENDUM MACHINERY INC - GARNER**  
 3561 JONES SAUSAGE ROAD  
 GARNER, NC  
 US 27529  
 Contact: TRENT BROADWELL  
 trent.broadwell@ascendummachinery.com  
 T: (919)661-8817  
 F: (919)661-9038



### OIL CONDITION

Visc @ 40°C	cSt	<b>44.8</b>	41.7	41.7	41.9
Acid Number (AN)	mg KOH/g	<b>0.35</b>	0.35	0.40	0.36



### CONTAMINATION

Particles >4µm	<b>70234</b>	1306	768	2653	
Particles >6µm	<b>32394</b>	316	211	699	
Particles >14µm	<b>2476</b>	23	15	36	
ISO 4406:1999 (c)	<b>23/22/18</b>	18/15/12	17/15/11	19/17/12	
Silicon	ppm	<b>2</b>	3	1	2
Sodium	ppm	<b>0</b>	0	<1	2
Potassium	ppm	<b>&lt;1</b>	1	0	0

### Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high amount of particulates (2 to 100 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>2</b>	4	0	2
Copper	ppm	<b>&lt;1</b>	2	2	2
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	<1	<1	1
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>0</b>	0	0	<1
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>&lt;1</b>	0	0	0
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>50</b>	48	45	47
Magnesium	ppm	<b>0</b>	<1	0	0
Zinc	ppm	<b>422</b>	416	445	414
Phosphorus	ppm	<b>326</b>	319	346	319
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLV00157  
**Unique No:** 10617371  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023

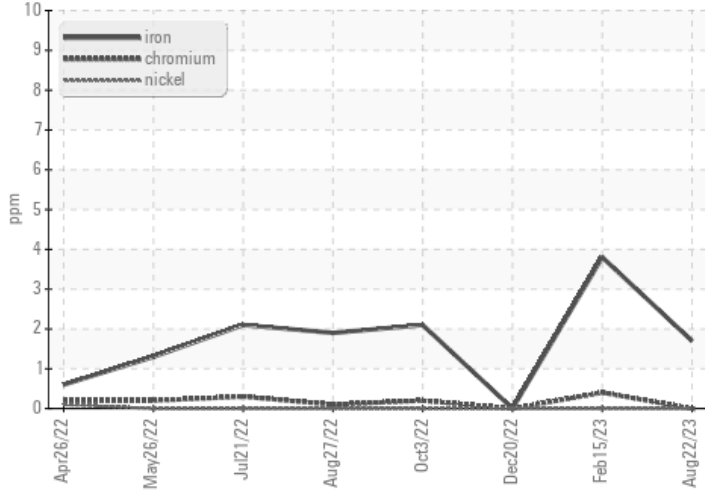


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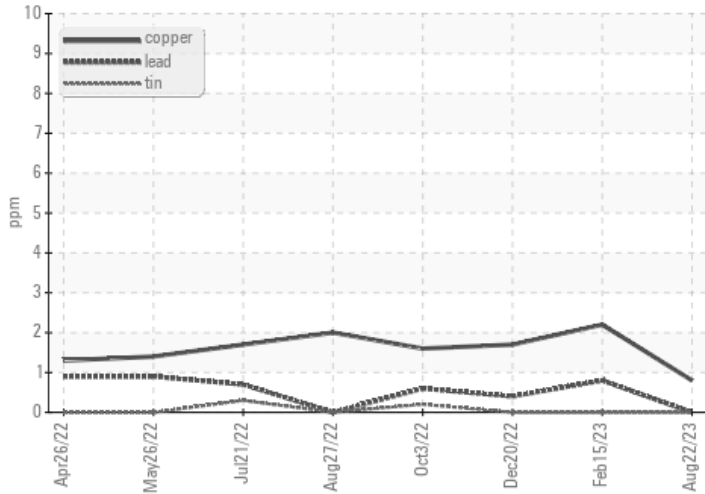


## VOLVO GRAPHS

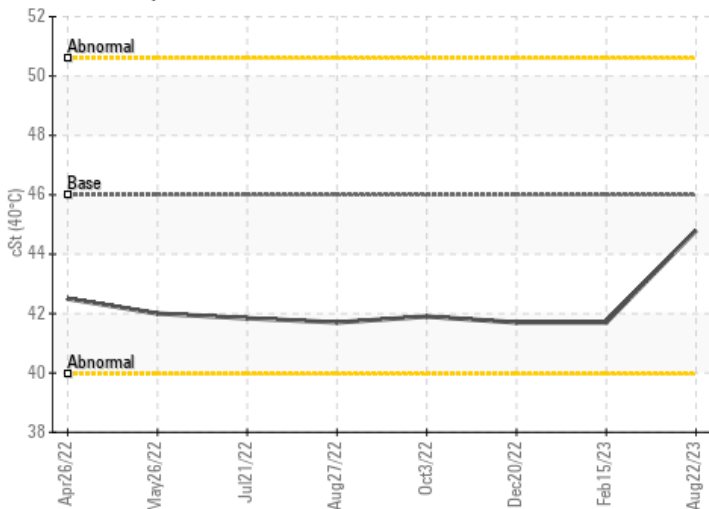
### Ferrous Alloys



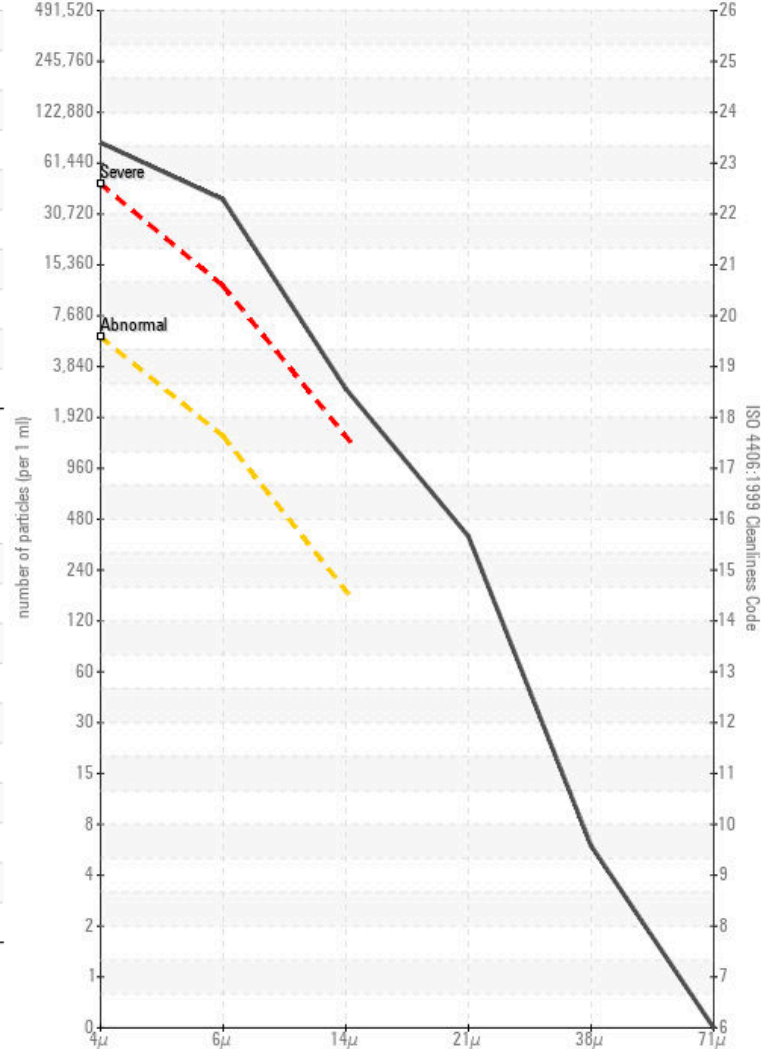
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

