



# CONSTRUCTION EQUIPMENT

## 24929 VOLVO L220H 3130 - HYDRAULIC SYSTEM



**Sample No:** VCP455195  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 24929



**218 - ASCENDUM MACHINERY INC - N. CHARLESTON**  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcham@ascendummachinery.com  
 T:  
 F: (843)414-1129



### SAMPLE INFORMATION

Sample Number	VCP455195	VCP304602	---	---
Sample Date	19 Mar 2024	10 Apr 2021	---	---
Machine Hours	12598	4561	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	60.19	45.2	---	---
Acid Number (AN)	mg KOH/g	0.34	0.369	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		558	1825	---	---
Particles >6µm		126	309	---	---
Particles >14µm		13	24	---	---
ISO 4406:1999 (c)		16/14/11	18/15/12	---	---
Silicon	ppm	1	<1	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	<1	0	---	---



### WEAR METALS

Iron	ppm	3	0	---	---
Copper	ppm	1	0	---	---
Lead	ppm	2	0	---	---
Tin	ppm	3	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	172	57	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	404	456	---	---
Phosphorus	ppm	326	319	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

**Depot:** VOLVO3387  
**Unique No:** 10940531  
**Signed:** Jonathan Hester  
**Report Date:** 29 Mar 2024

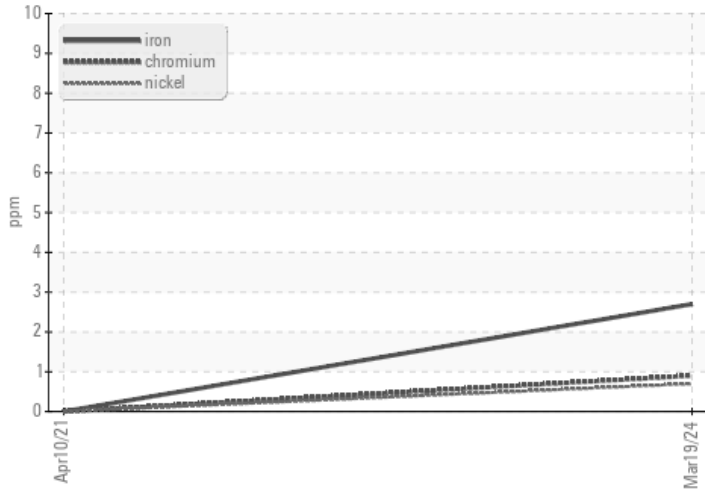


# CONSTRUCTION EQUIPMENT

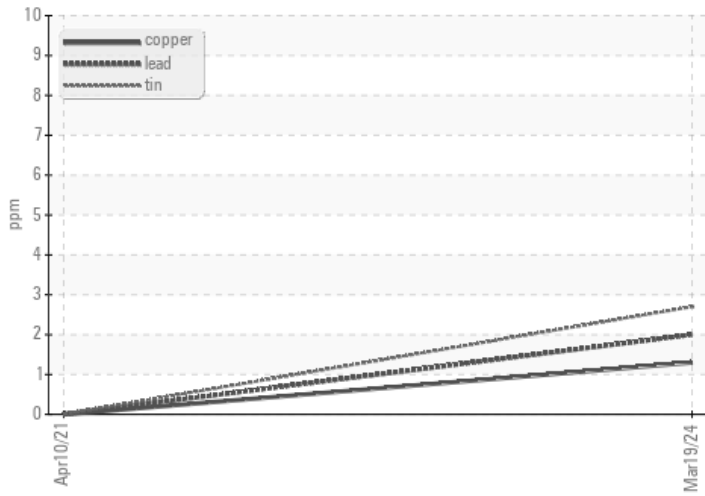


## VOLVO GRAPHS

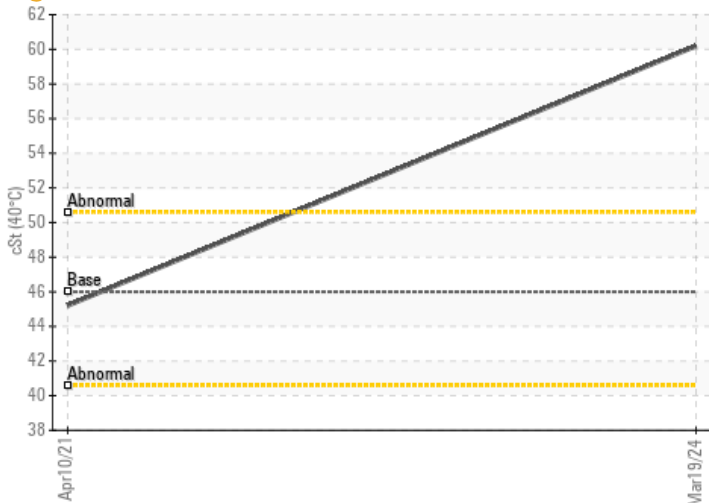
### Ferrous Alloys



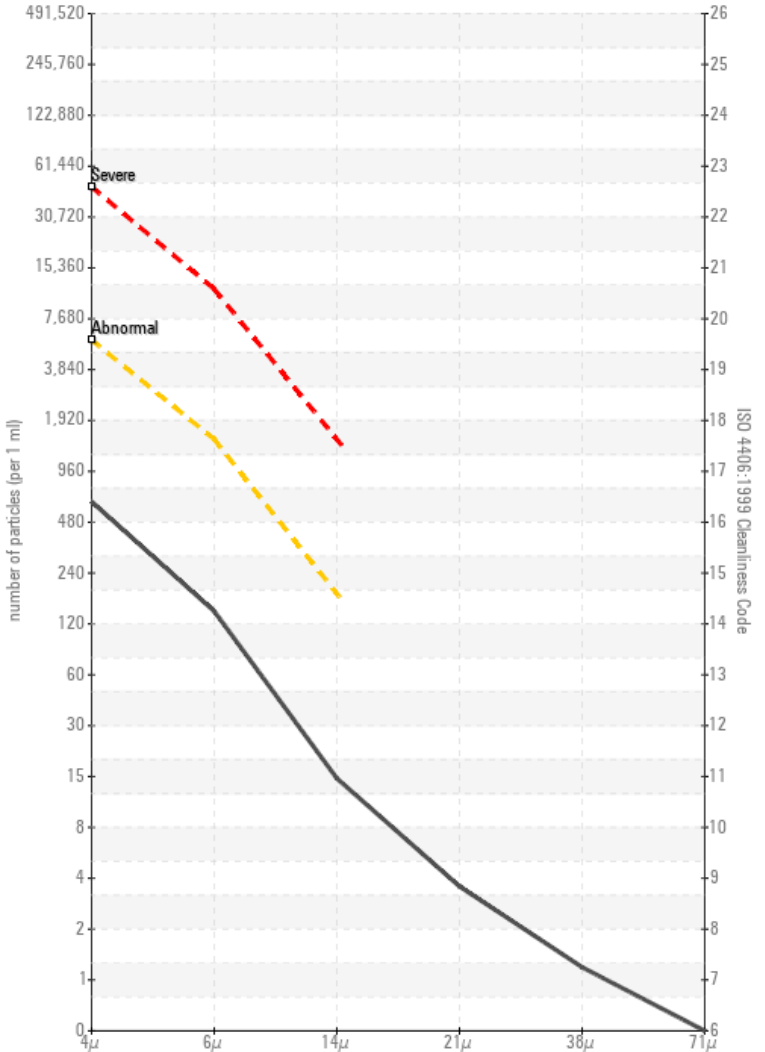
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

