



# CONSTRUCTION EQUIPMENT

51350 DUNNING SAND VOLVO L120H 632616 - HYDRAULIC SYSTEM



**Sample No:** VCP434061  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 51350 DUNNING SAND



## SAMPLE INFORMATION

Sample Number	VCP434061	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	6218	---	---	---
Oil Hours	1	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

## TYLER EQUIPMENT CORPORATION

1980 BERLIN TURNPIKE  
 BERLIN, CT  
 US 06037

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 T: (860)356-0840  
 F: (860)828-6727



## OIL CONDITION

Visc @ 40°C	cSt	█ 45.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.51	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 8130	---	---	---
Particles >6µm		█ 2224	---	---	---
Particles >14µm		▲ 163	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

## Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. All component wear rates are normal. There is a moderate 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	█ 0	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 115	---	---	---
Magnesium	ppm	█ 25	---	---	---
Zinc	ppm	█ 443	---	---	---
Phosphorus	ppm	█ 331	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

**Depot:** VOLVO0005  
**Unique No:** 10780275  
**Signed:** Wes Davis  
**Report Date:** 12 Dec 2023

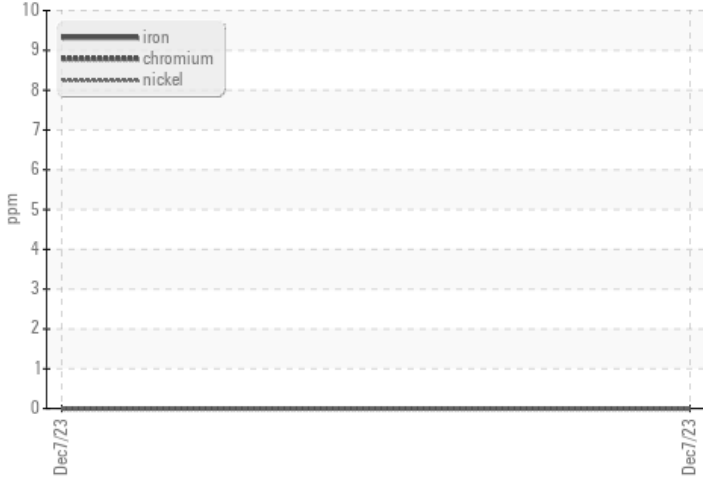


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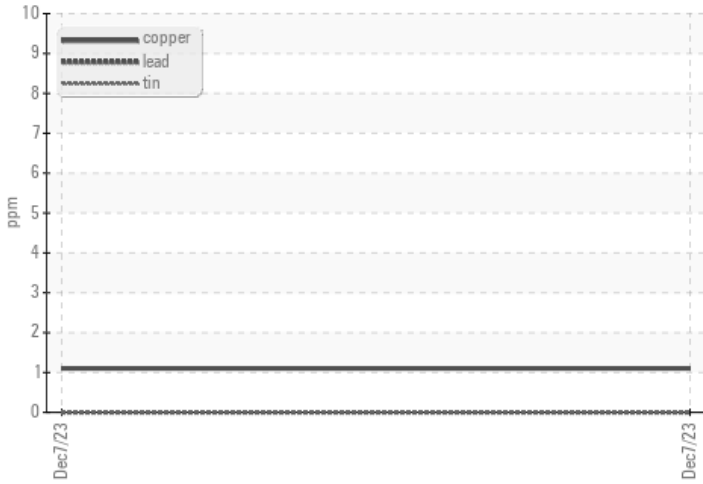


## VOLVO GRAPHS

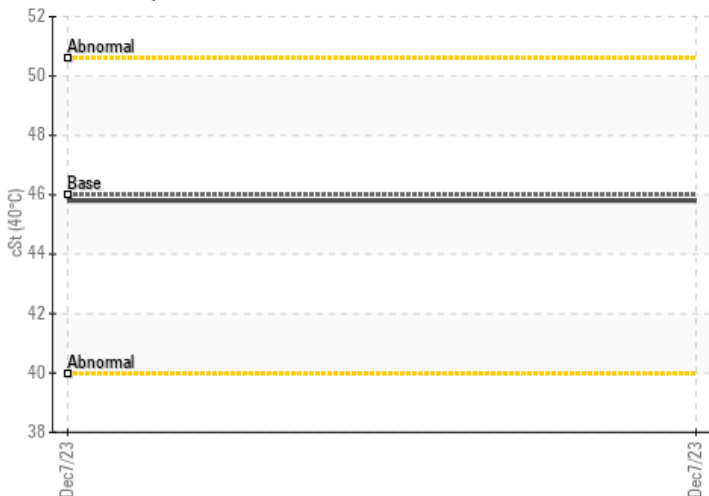
### Ferrous Alloys



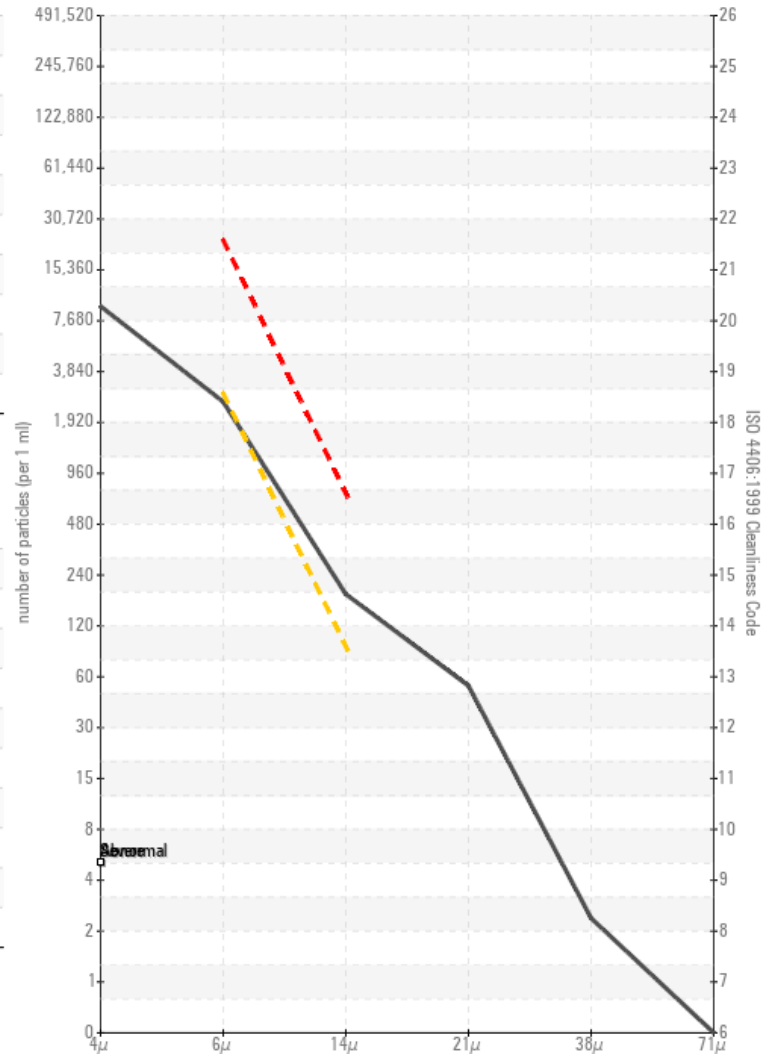
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

