



# CONSTRUCTION EQUIPMENT

## CEDAR RIDGE DAIRY VOLVO L70H 624332 - HYDRAULIC SYSTEM



**Sample No:** VCP368364  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** CEDAR RIDGE DAIRY



### SAMPLE INFORMATION

Sample Number	VCP368364	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	3702	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

### ARNOLD MACHINERY COMPANY

464 WASHINGTON STREET S  
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US 83301

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### OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.37	---	---	---



### CONTAMINATION

Particles >4µm		▲ 6186	---	---	---
Particles >6µm		█ 742	---	---	---
Particles >14µm		█ 96	---	---	---
ISO 4406:1999 (c)		20/17/14	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 7	---	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 723	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 612	---	---	---
Phosphorus	ppm	█ 492	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

**Depot:** VOLVO1835  
**Unique No:** 10616760  
**Signed:** Wes Davis  
**Report Date:** 23 Aug 2023

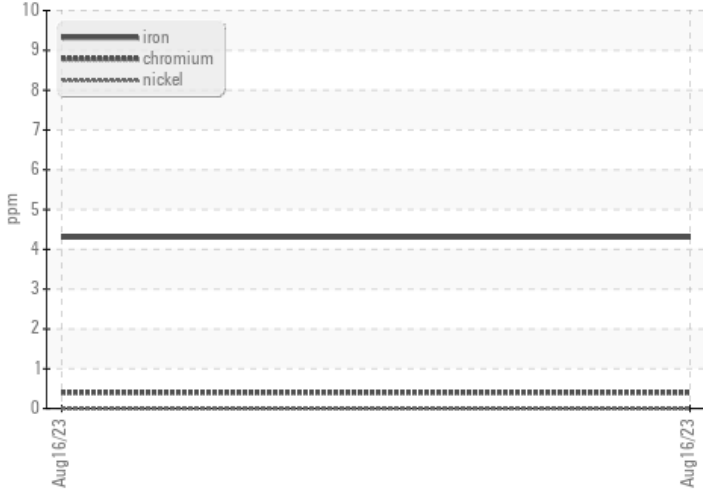


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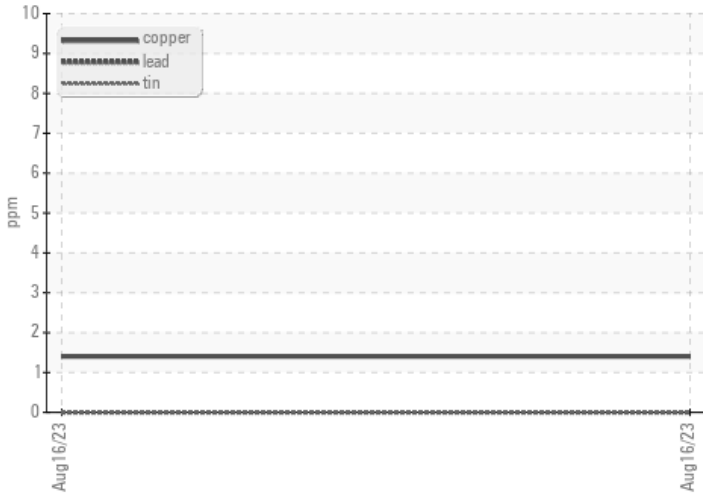


## VOLVO GRAPHS

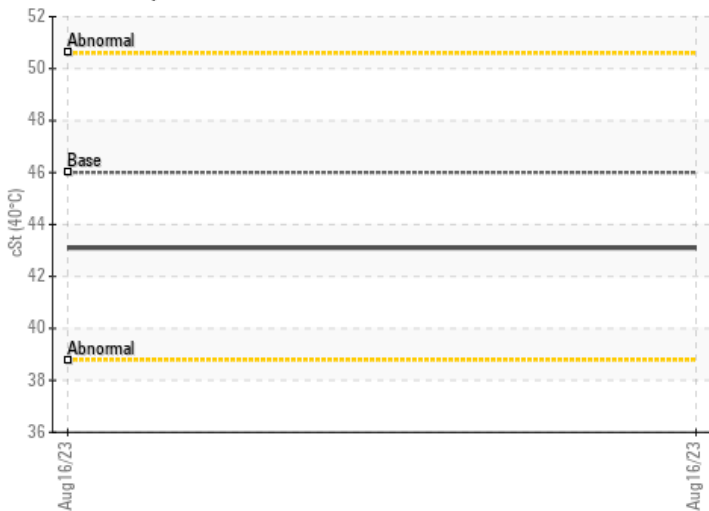
### Ferrous Alloys



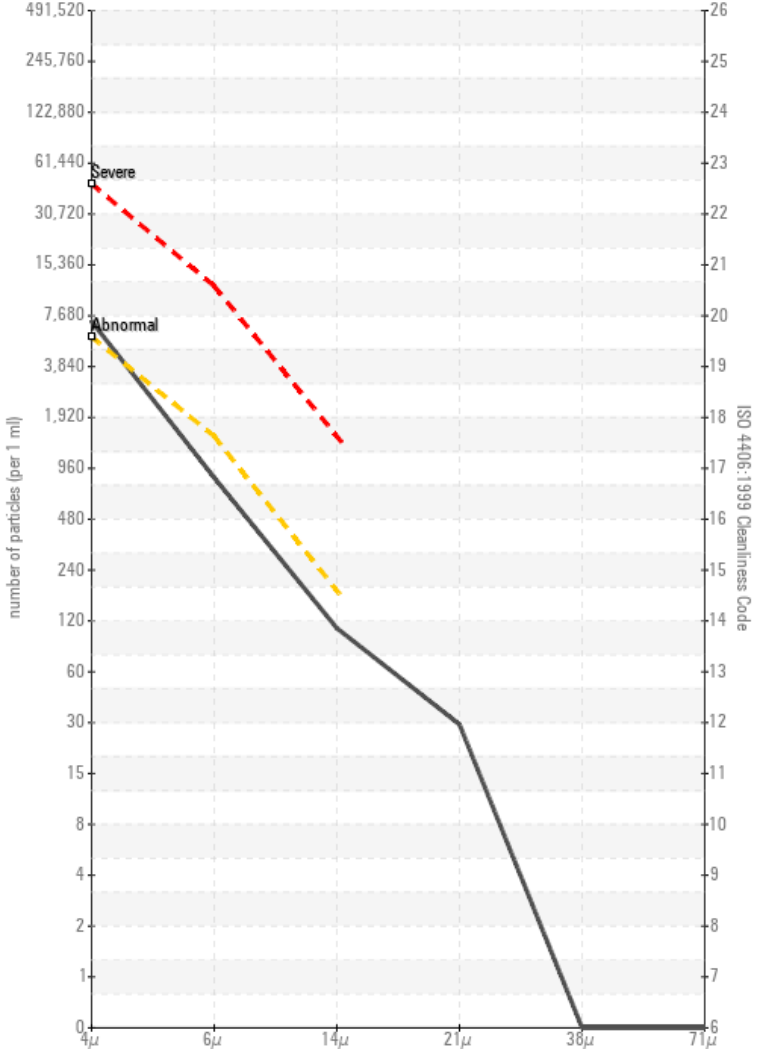
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

