



CONSTRUCTION EQUIPMENT

CEDAR RIDGE DAIRY VOLVO L70H 624356 - HYDRAULIC SYSTEM



Sample No: VCP371462
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: CEDAR RIDGE DAIRY



SAMPLE INFORMATION

Sample Number	VCP371462	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	3752	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

ARNOLD MACHINERY COMPANY

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 TWIN FALLS, ID
 US 83301

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OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	---	---	---



CONTAMINATION

Particles >4µm		▲ 5475	---	---	---
Particles >6µm		▲ 1406	---	---	---
Particles >14µm		▲ 248	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 6	---	---	---

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	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
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	█ 275	---	---	---
Magnesium	ppm	█ 8	---	---	---
Zinc	ppm	█ 494	---	---	---
Phosphorus	ppm	█ 395	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO1835
Unique No: 10616759
Signed: Wes Davis
Report Date: 23 Aug 2023

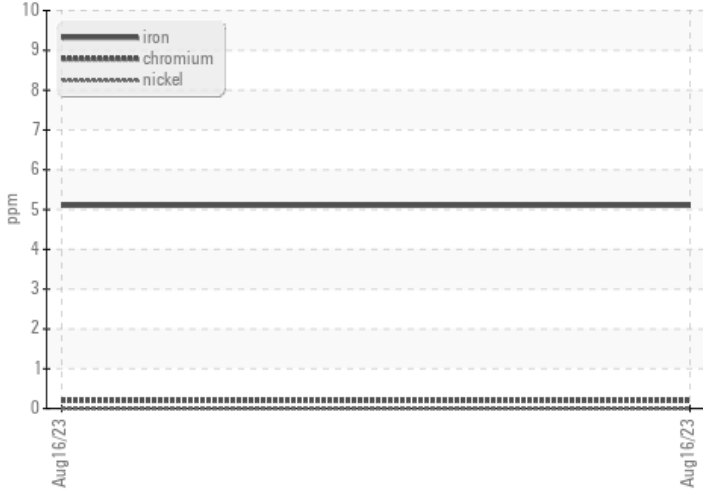


CONSTRUCTION EQUIPMENT

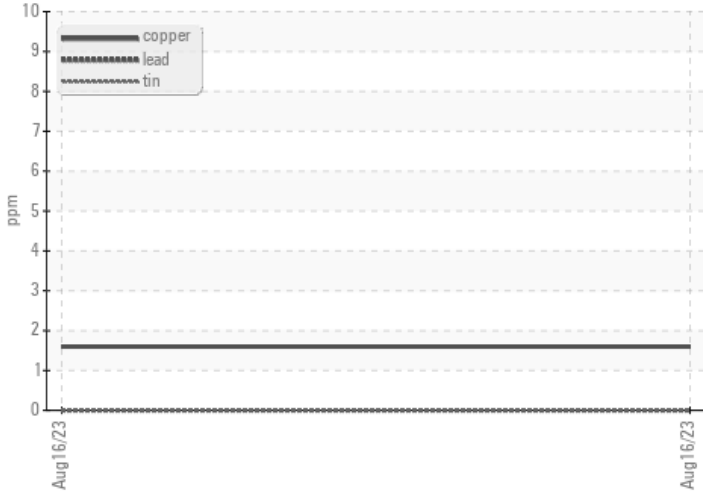


VOLVO GRAPHS

Ferrous Alloys



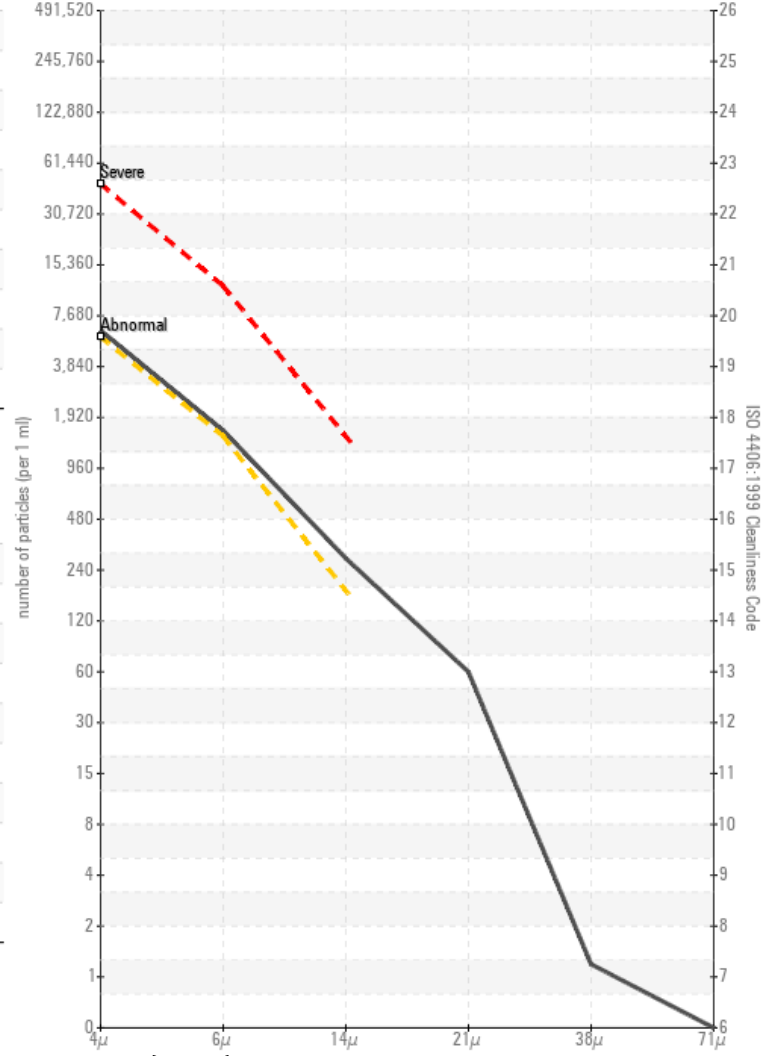
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

