



CONSTRUCTION EQUIPMENT

CEDAR RIDGE DAIRY VOLVO L70H 624337 - HYDRAULIC SYSTEM



Sample No: VCP371466
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: CEDAR RIDGE DAIRY



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SAMPLE INFORMATION

Sample Number	VCP371466	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	3656	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.67	---	---	---



CONTAMINATION

Particles >4µm		▲ 10123	---	---	---
Particles >6µm		█ 769	---	---	---
Particles >14µm		█ 33	---	---	---
ISO 4406:1999 (c)		21/17/12	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 7	---	---	---



WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	781	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 620	---	---	---
Phosphorus	ppm	█ 513	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 17	---	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 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.

Depot: VOLVO1835
Unique No: 10616755
Signed: Wes Davis
Report Date: 23 Aug 2023

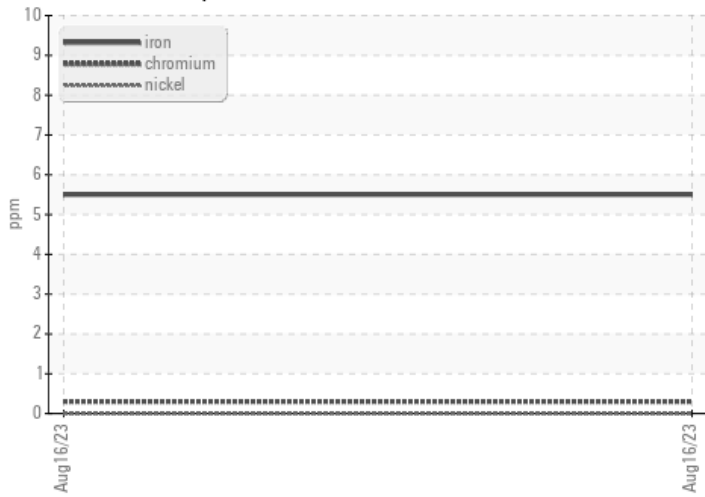


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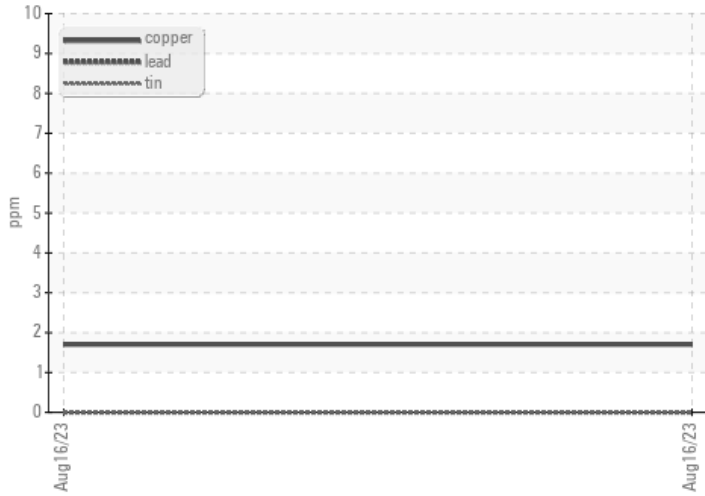


VOLVO GRAPHS

Ferrous Alloys



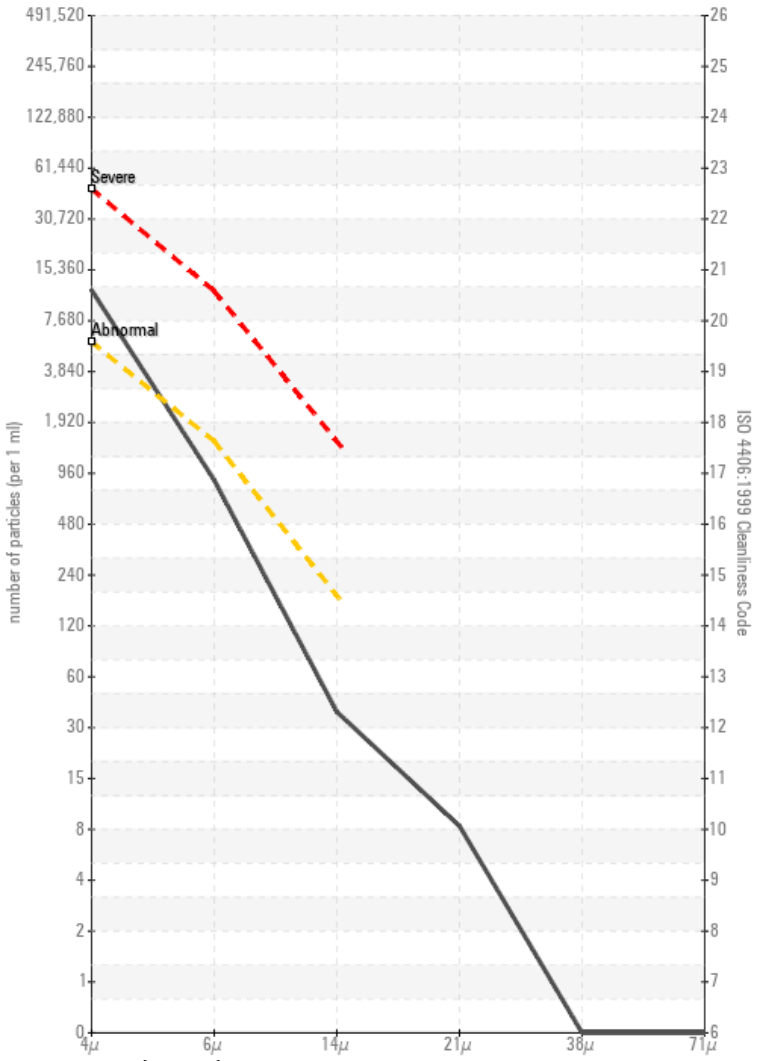
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

