



CONSTRUCTION EQUIPMENT

S50402341 VFS LEASIN VOLVO L110H 632408 - HYDRAULIC SYSTEM



Sample No: VCP435925
Oil Type: HITACHI HYDRAULIC SUPER EX 46HN
Job No: S50402341 VFS LEASIN



SAMPLE INFORMATION

Sample Number	VCP435925	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	3081	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT
 22099 KNABE ROAD
 CORONA, CA
 US 92883
 Contact: OSCAR DEL CAMPO
 oscar.delcampo@vcesvolvo.com
 T: (951)277-7620
 F: (951)277-4550



OIL CONDITION

Visc @ 40°C	cSt	█ 40.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 10432	---	---	---
Particles >6µm		▲ 3079	---	---	---
Particles >14µm		▲ 150	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. The 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 a moderate amount of particulates 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	█ 11	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 119	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 435	---	---	---
Phosphorus	ppm	█ 334	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO4486
Unique No: 10806694
Signed: Don Baldrige
Report Date: 28 Dec 2023

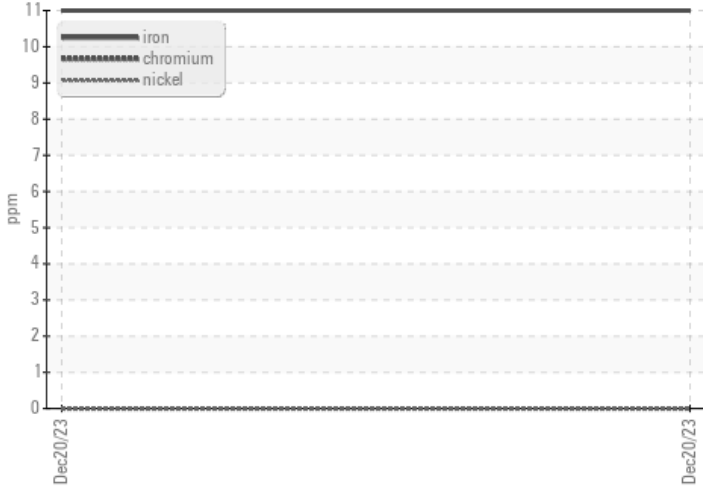


CONSTRUCTION EQUIPMENT

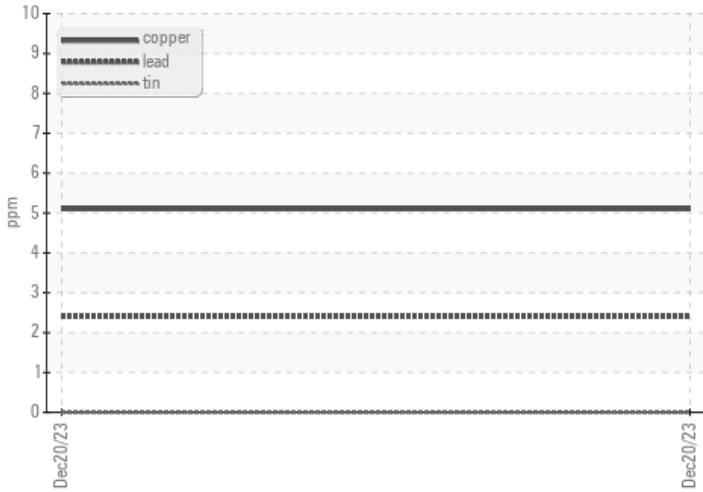


GRAPHS

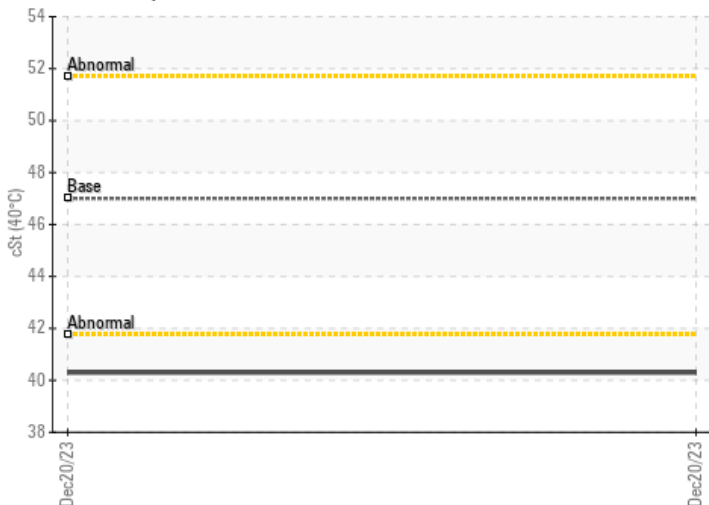
Ferrous Alloys



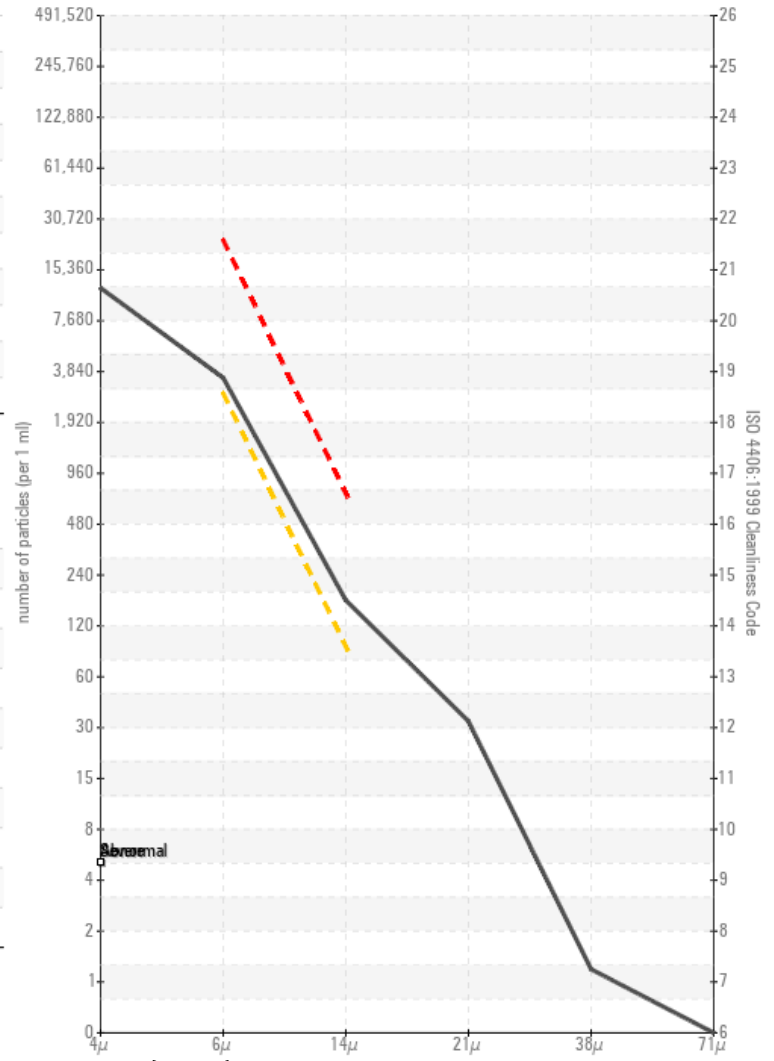
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

