



CONSTRUCTION EQUIPMENT

S50402484 JHK VOLVO L90H 626006 - HYDRAULIC SYSTEM



Sample No: VCP438499
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: S50402484 JHK



SAMPLE INFORMATION

Sample Number	VCP438499	---	---	---
Sample Date	12 Jan 2024	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

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	█ 43.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 36752	---	---	---
Particles >6µm		▲ 10632	---	---	---
Particles >14µm		● 664	---	---	---
ISO 4406:1999 (c)		22/21/17	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high 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	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
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	█ 65	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 352	---	---	---
Phosphorus	ppm	█ 283	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO4486
Unique No: 10859718
Signed: Wes Davis
Report Date: 02 Feb 2024

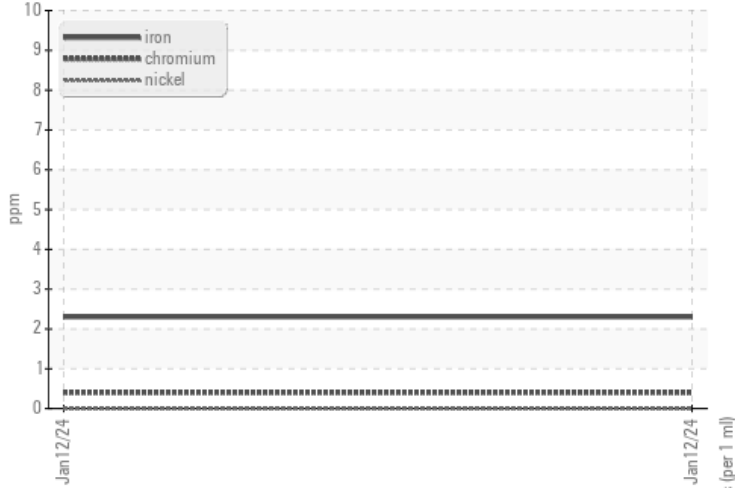


CONSTRUCTION EQUIPMENT

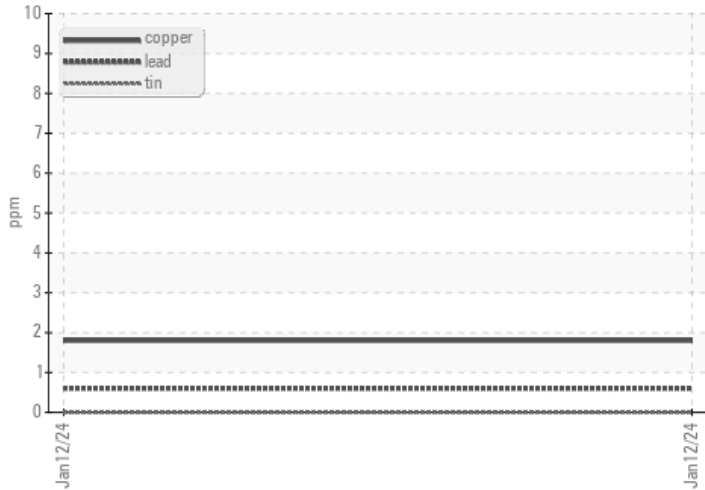


VOLVO GRAPHS

Ferrous Alloys



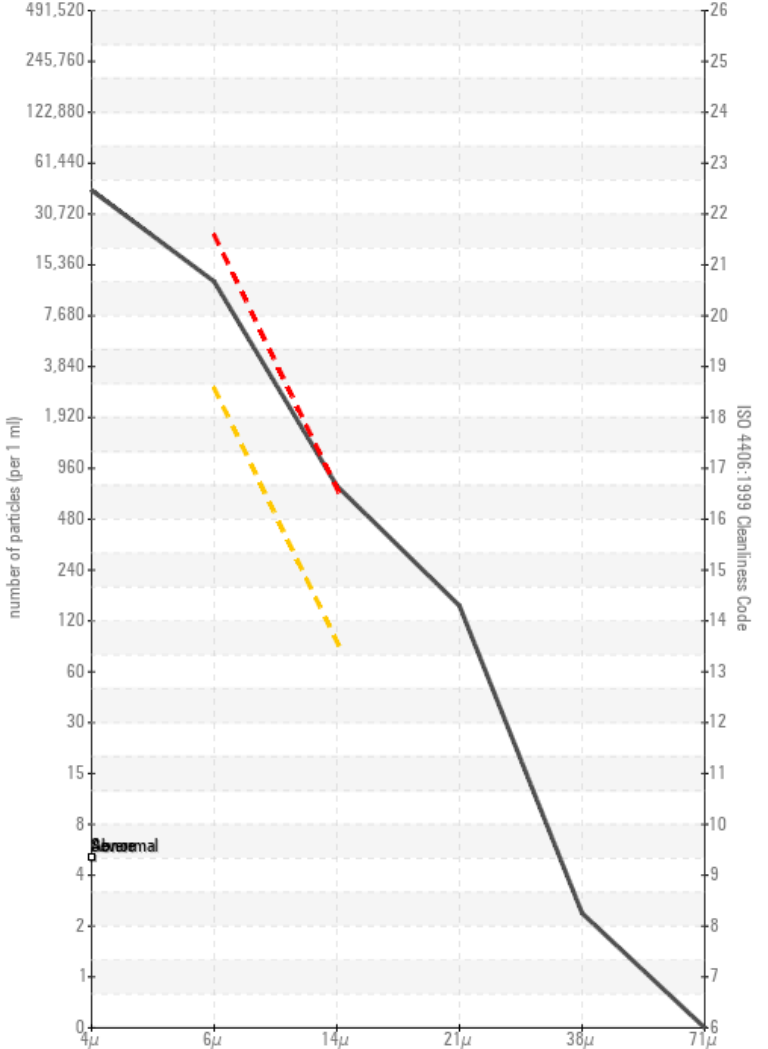
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

