



CONSTRUCTION EQUIPMENT

S50601799 IAA BAY PT VOLVO L90H 625920 - HYDRAULIC SYSTEM



Sample No: VCP440836
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: S50601799 IAA BAY PT



SAMPLE INFORMATION

Sample Number	VCP440836	VCP345497	---	---
Sample Date	16 Feb 2024	02 Feb 2023	---	---
Machine Hours	3995	2243	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

VCES- VOLVO CONSTRUCTION EQUIPMENT

1944 MARINA BLVD
 SAN LEANDRO, CA
 US 94577
 Contact: JOHN BUDESILICH
 john.budesilich@vcesvolvo.com
 T:
 F: (925)294-9240



OIL CONDITION

Visc @ 40°C	cSt	43.6	43.5	---	---
Acid Number (AN)	mg KOH/g	0.18	0.33	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		22317	1517	---	---
Particles >6µm		6091	181	---	---
Particles >14µm		504	11	---	---
ISO 4406:1999 (c)		22/20/16	18/15/11	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate 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	3	---	---
Copper	ppm	1	2	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	58	57	---	---
Magnesium	ppm	2	4	---	---
Zinc	ppm	432	407	---	---
Phosphorus	ppm	327	303	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO4487
Unique No: 10890481
Signed: Wes Davis
Report Date: 23 Feb 2024

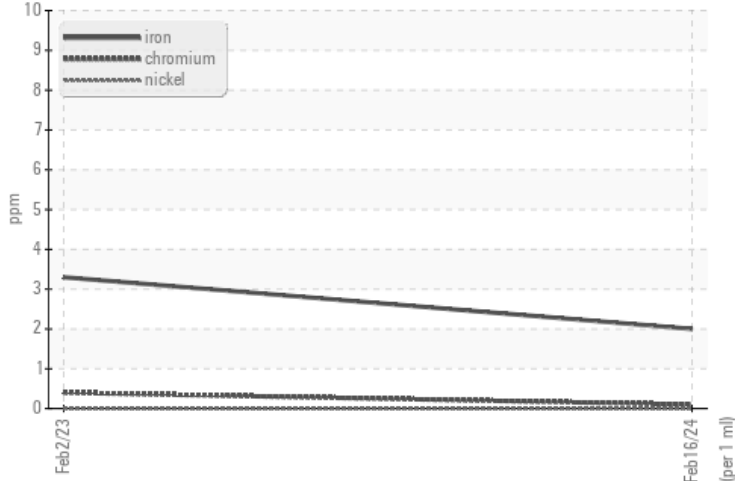


CONSTRUCTION EQUIPMENT

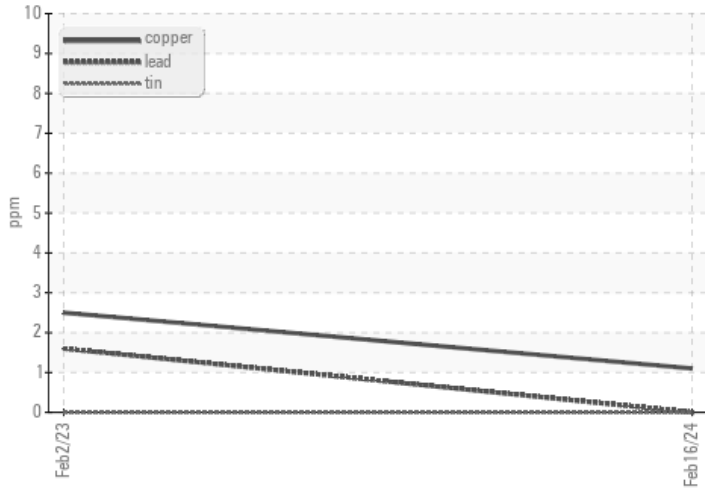


GRAPHS

Ferrous Alloys



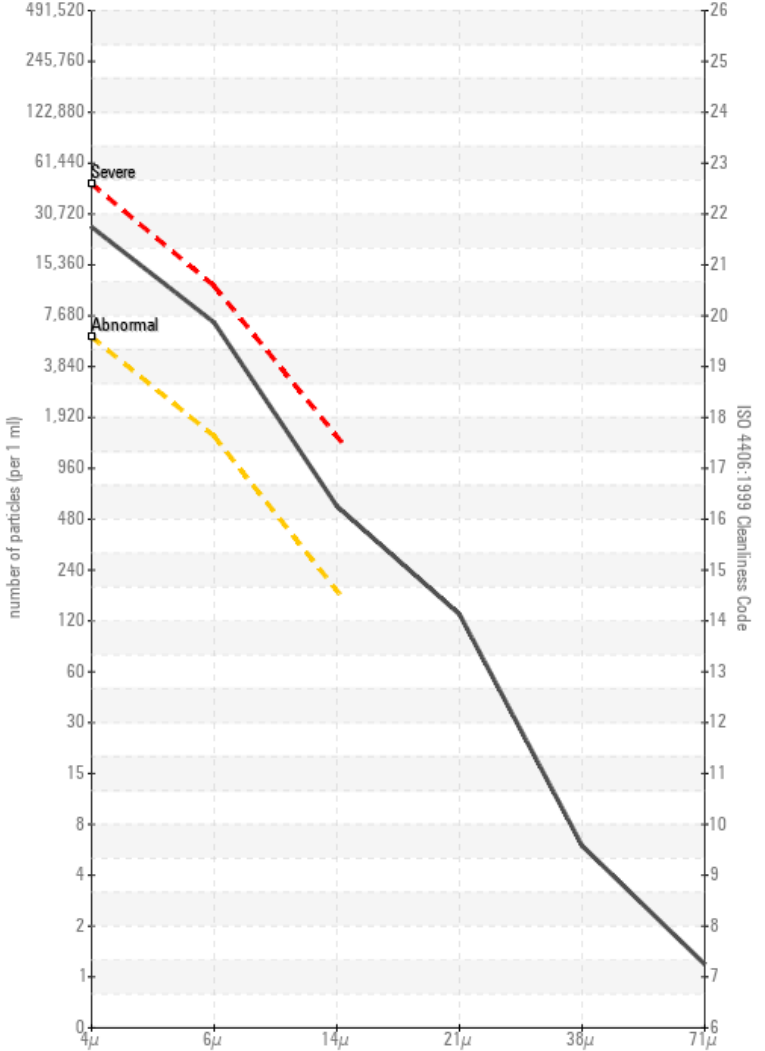
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

