



CONSTRUCTION EQUIPMENT

A12086 VOLVO EW220E 323098 - HYDRAULIC SYSTEM



Sample No: VCP438211
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: A12086



SAMPLE INFORMATION

Sample Number	VCP438211	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	1499	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
 jim.fehr@hoffmanequip.com
 T: (610)363-9200
 F: (610)594-0829



OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.48	---	---	---



CONTAMINATION

Water	%	▲ 0.294	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 61	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 406	---	---	---
Phosphorus	ppm	█ 328	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

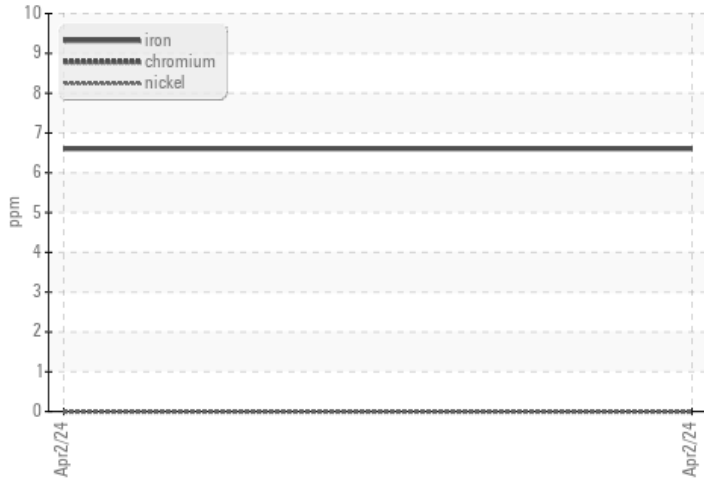
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8879
Unique No: 10978666
Signed: Don Baldrige
Report Date: 17 Apr 2024

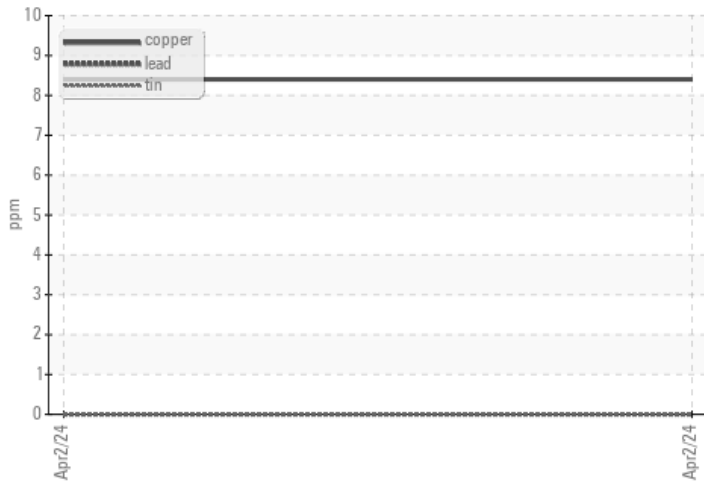


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

