



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314073 - HYDRAULIC SYSTEM



Sample No: VCP405673
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



STEPHEN HARTMAN EXCAVATING INC
 8554 W COUNTY RD 442
 MANISTIQUE, MI
 US 49854
 Contact: STEVE HARTMAN
 gpeterson@hartmanexcavating.com
 T: (906)341-2707
 F:



SAMPLE INFORMATION

Sample Number	VCP405673	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	6500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 7	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 53	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 444	---	---	---
Phosphorus	ppm	█ 351	---	---	---
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. (valve failure). All component wear rates are normal. 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: STEMANMI
Unique No: 10981130
Signed: Don Baldrige
Report Date: 19 Apr 2024

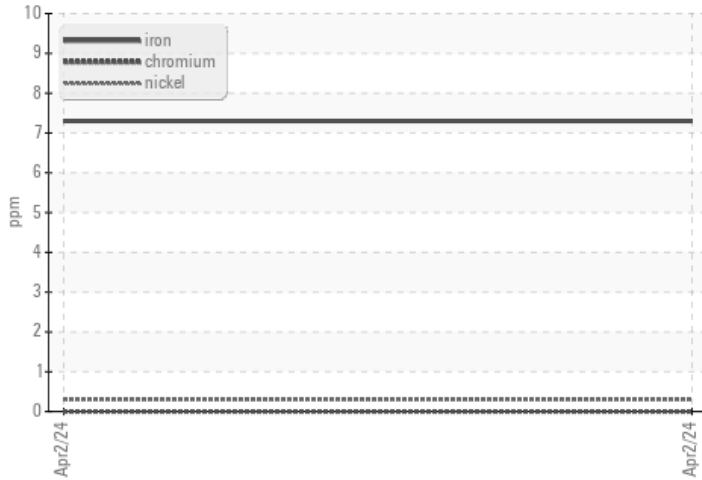


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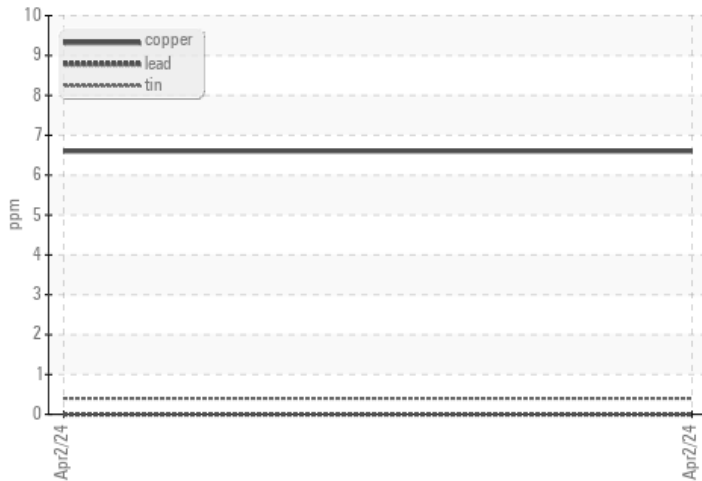


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

