



CONSTRUCTION EQUIPMENT

SPM672835 AMG RES LIEBHERR LH40 121384-1215 - HYDRAULIC SYSTEM



Sample No: VCP406681
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM672835 AMG RES



SAMPLE INFORMATION

Sample Number	VCP406681	---	---	---
Sample Date	03 Feb 2024	---	---	---
Machine Hours	11143	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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T: (312)350-2560
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.64	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5290	---	---	---
Particles >6µm		█ 1178	---	---	---
Particles >14µm		█ 42	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	▲ 58	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 605	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 512	---	---	---
Phosphorus	ppm	█ 433	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8885
Unique No: 10882922
Signed: Doug Bogart
Report Date: 19 Feb 2024

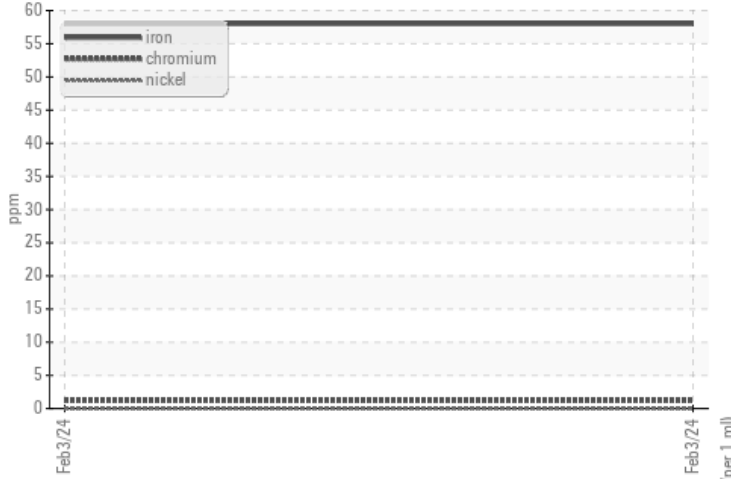


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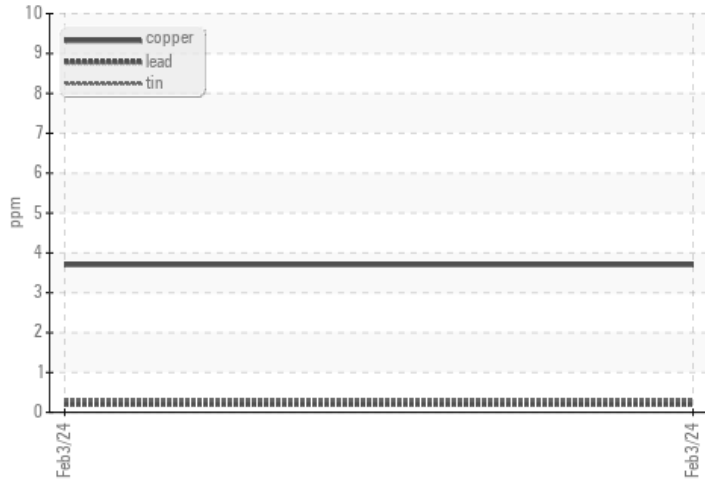


GRAPHS

▲ Ferrous Alloys



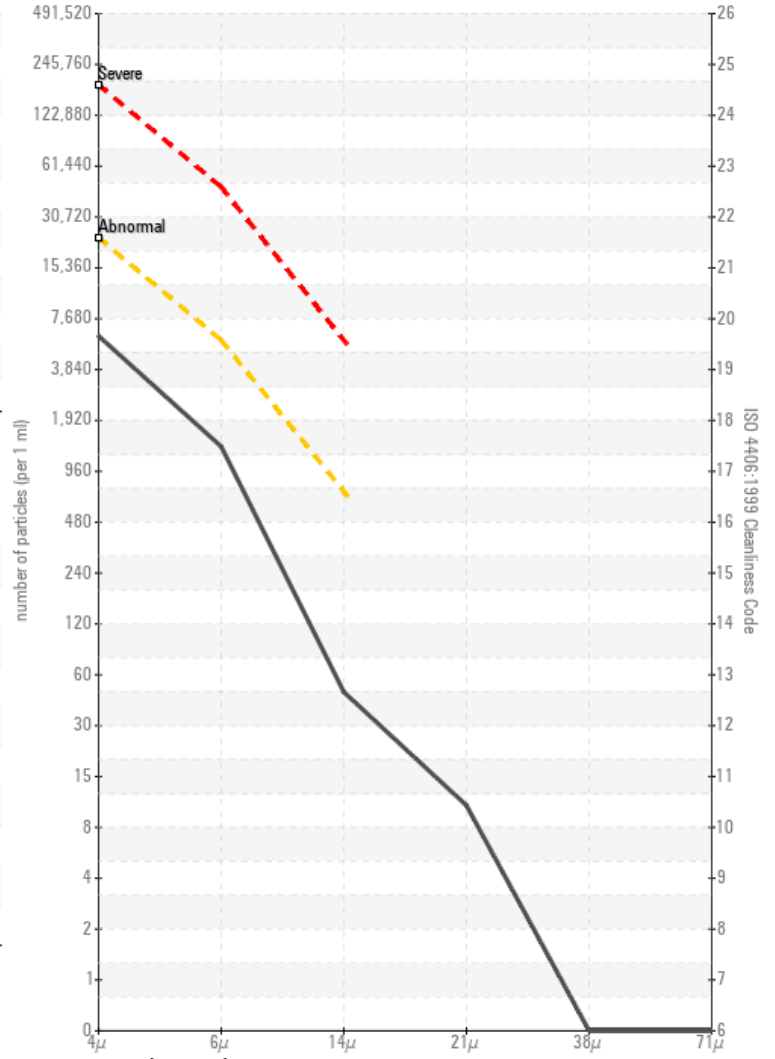
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

