



CONSTRUCTION EQUIPMENT

SPM660892 WM VOLVO L120H 633423 - HYDRAULIC SYSTEM



Sample No: VCP433802
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM660892 WM



SAMPLE INFORMATION

Sample Number	VCP433802	VCP433387	---	---
Sample Date	24 Jan 2024	13 Nov 2023	---	---
Machine Hours	1218	989	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

ALTA CONSTRUCTION EQUIPMENT
613 E STEVENSON RD
OTTAWA, IL
US 61350
Contact: KEVIN SKRTICH
KEVIN.SKRTICH@ALTAEQUIPMENT.COM
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 43.4	█ 43.2	---	---
Acid Number (AN)	mg KOH/g	█ 0.27	█ 0.35	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 2750	▲ 12476	---	---
Particles >6µm		█ 484	▲ 2804	---	---
Particles >14µm		█ 30	▲ 258	---	---
ISO 4406:1999 (c)		19/16/12	21/19/15	---	---
Silicon	ppm	█ 1	█ 1	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ <1	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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	█ 3	█ 2	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ 2	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ 0	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 2	█ <1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 66	█ 52	---	---
Magnesium	ppm	█ 4	█ 0	---	---
Zinc	ppm	█ 441	█ 407	---	---
Phosphorus	ppm	█ 352	█ 308	---	---
Barium	ppm	█ 13	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO5055
Unique No: 10873461
Signed: Don Baldrige
Report Date: 13 Feb 2024

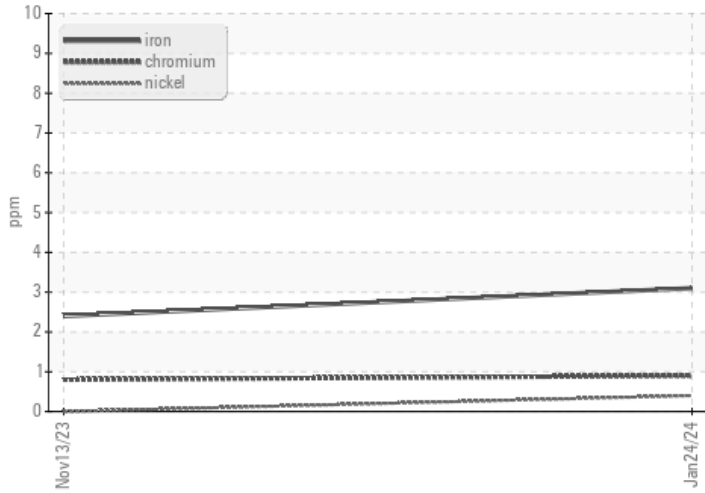


CONSTRUCTION EQUIPMENT

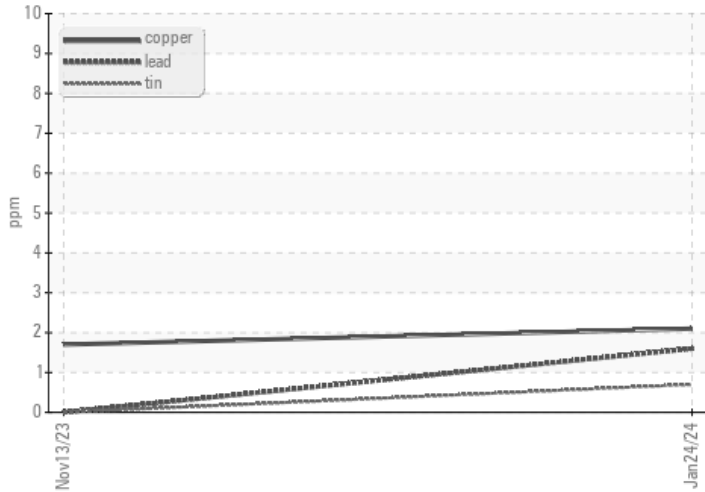


GRAPHS

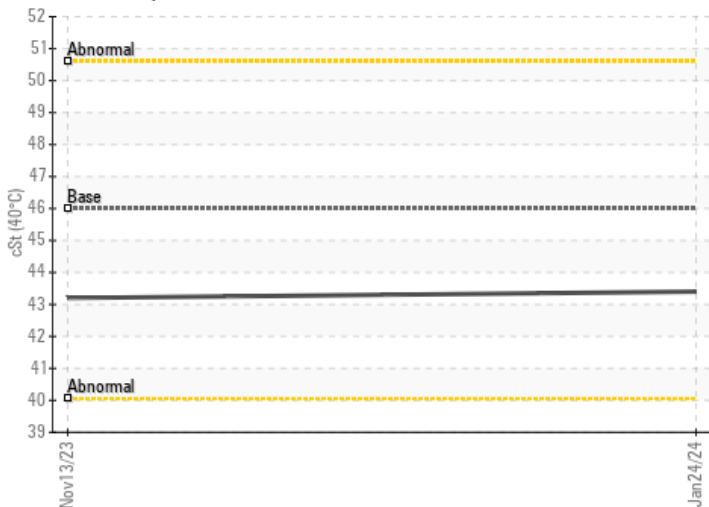
Ferrous Alloys



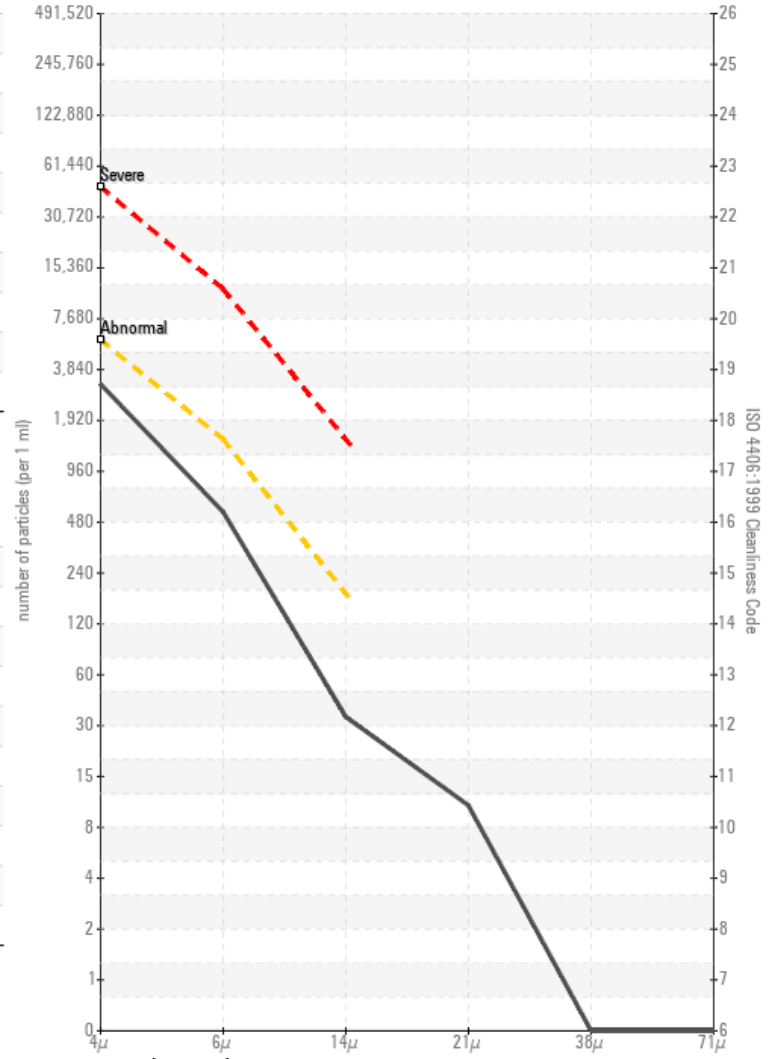
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

