



CONSTRUCTION EQUIPMENT

SWA401805 ARNON DEV VOLVO L110F 61750 - HYDRAULIC SYSTEM



Sample No: VCP428586
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SWA401805 ARNON DEV



SAMPLE INFORMATION

Sample Number	VCP428586	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	7227	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	█ 44.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---



CONTAMINATION

Particles >4µm		▲ 27011	---	---	---
Particles >6µm		▲ 8494	---	---	---
Particles >14µm		▲ 390	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. 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	█ 0	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 301	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 461	---	---	---
Phosphorus	ppm	█ 366	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VOLV00142
Unique No: 10727341
Signed: Wes Davis
Report Date: 07 Nov 2023

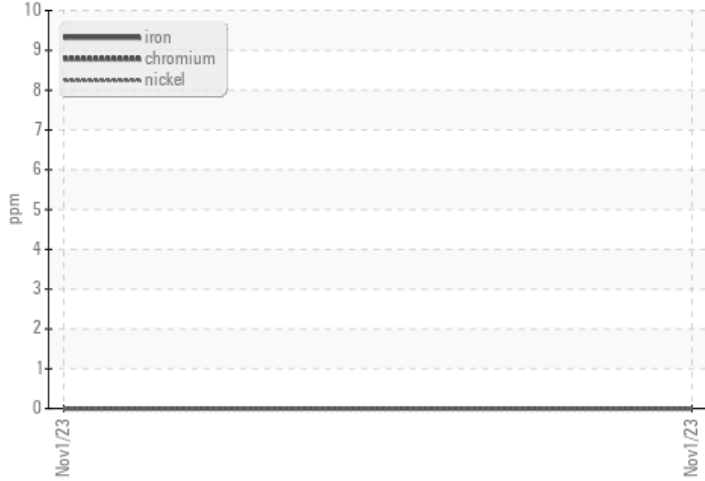


CONSTRUCTION EQUIPMENT

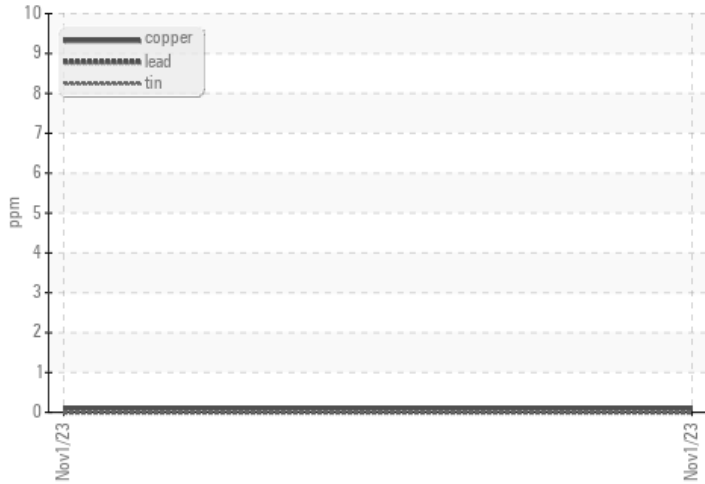


VOLVO GRAPHS

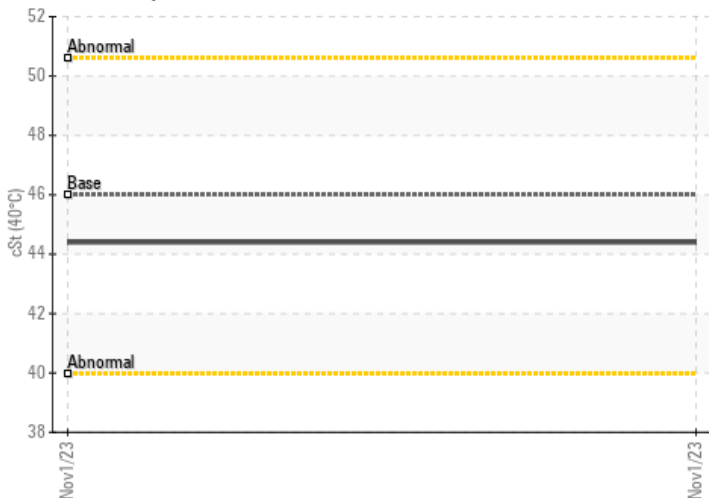
Ferrous Alloys



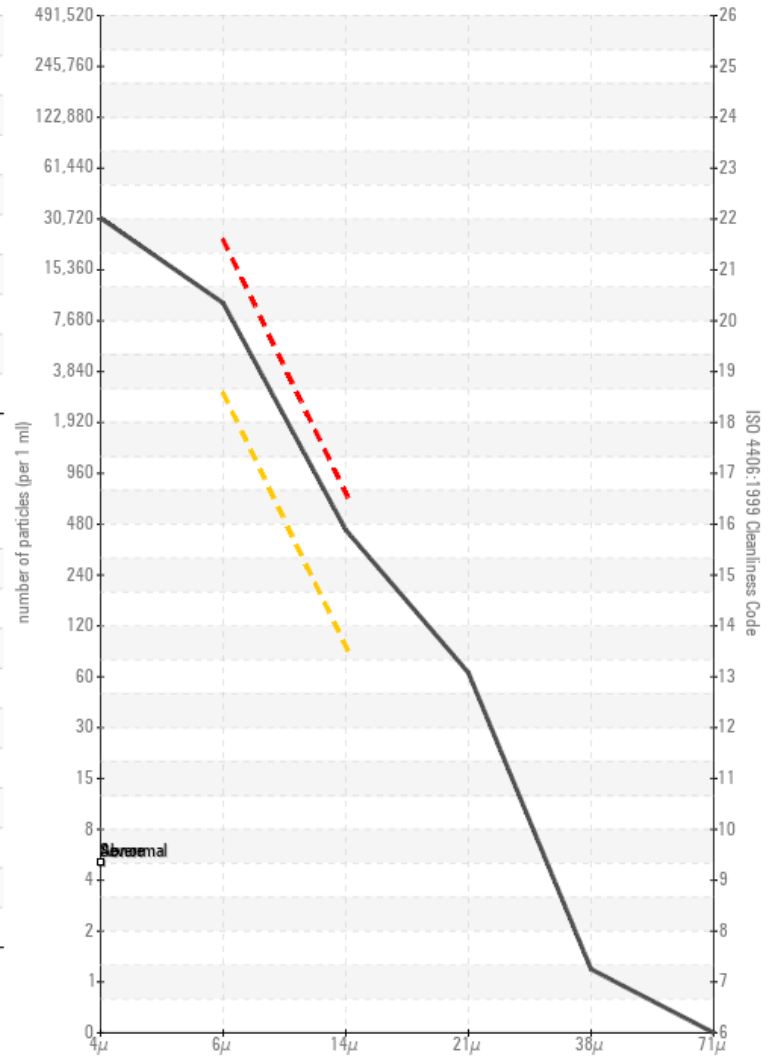
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

