



CONSTRUCTION EQUIPMENT

232907 VOLVO L110H 631506 - HYDRAULIC SYSTEM



Sample No: VCP398217
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 232907



SAMPLE INFORMATION

Sample Number	VCP398217	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	7591	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
56195 PONTIAC TRAIL
NEW HUDSON, MI
US 48165
Contact: DILLON BURNS
dillon.burns@altg.com
T:
F: (248)356-2029



OIL CONDITION

Visc @ 40°C	cSt	█ 43.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.65	---	---	---



CONTAMINATION

Particles >4µm		█ 39905	---	---	---
Particles >6µm		█ 2301	---	---	---
Particles >14µm		█ 32	---	---	---
ISO 4406:1999 (c)		█ 22/18/12	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 6	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

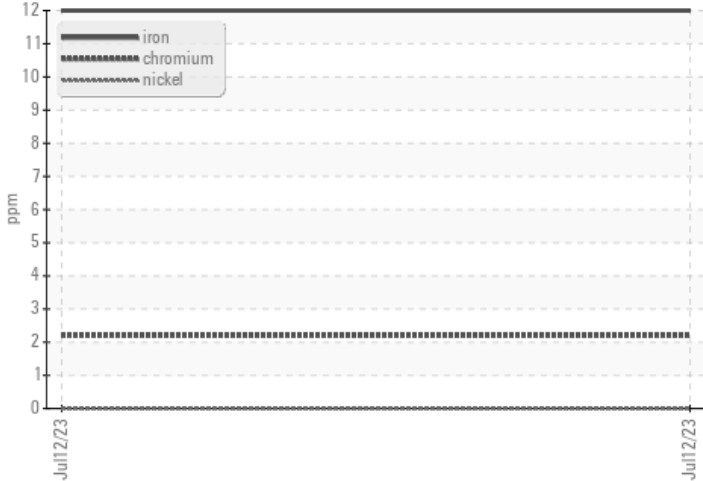
Calcium	ppm	█ 717	---	---	---
Magnesium	ppm	█ 15	---	---	---
Zinc	ppm	█ 615	---	---	---
Phosphorus	ppm	█ 513	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: VOLVO2990
Unique No: 10559880
Signed: Jonathan Hester
Report Date: 17 Jul 2023

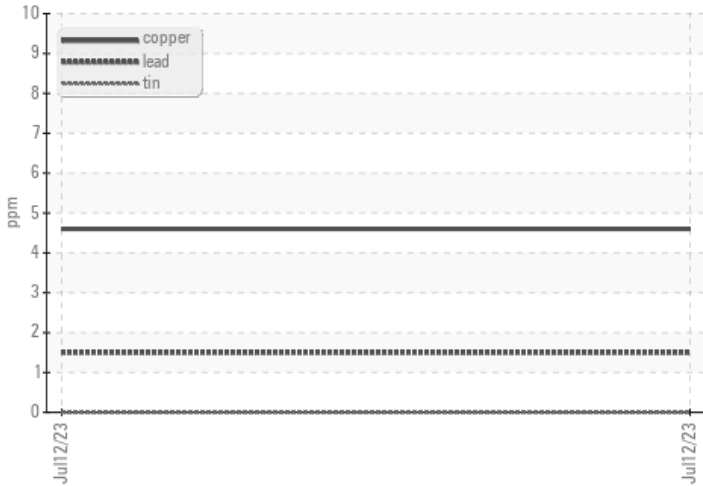


VOLVO GRAPHS

Ferrous Alloys



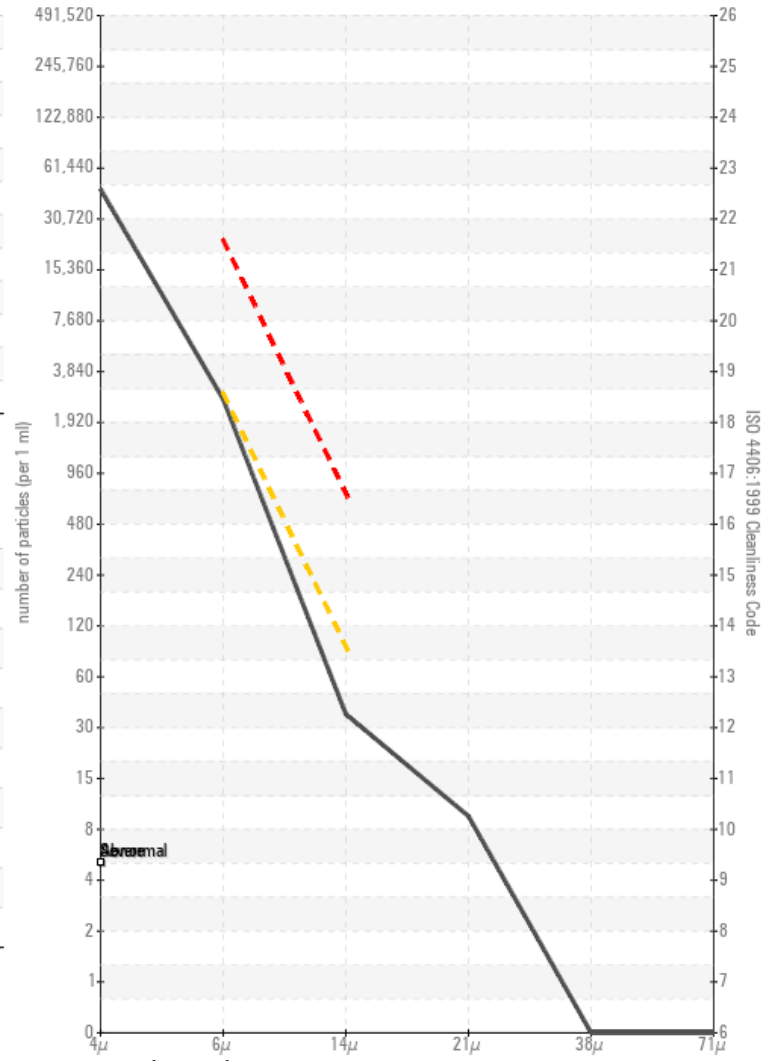
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

