



CONSTRUCTION EQUIPMENT

A12166 METALTECH VOLVO L220H 2718 - HYDRAULIC SYSTEM



Sample No: VCP443396
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12166 METALTECH



SAMPLE INFORMATION

Sample Number	VCP443396	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	16260	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
 jim.fehr@hoffmanequip.com
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OIL CONDITION

Visc @ 40°C	cSt	■ 39.7	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.28	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 6922	---	---	---
Particles >6µm		■ 893	---	---	---
Particles >14µm		■ 34	---	---	---
ISO 4406:1999 (c)		20/17/12	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present 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	■ 16	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2093	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 903	---	---	---
Phosphorus	ppm	■ 748	---	---	---
Barium	ppm	■ 4	---	---	---
Boron	ppm	■ 56	---	---	---

Depot: VOLVO8879
Unique No: 10909495
Signed: Jonathan Hester
Report Date: 07 Mar 2024

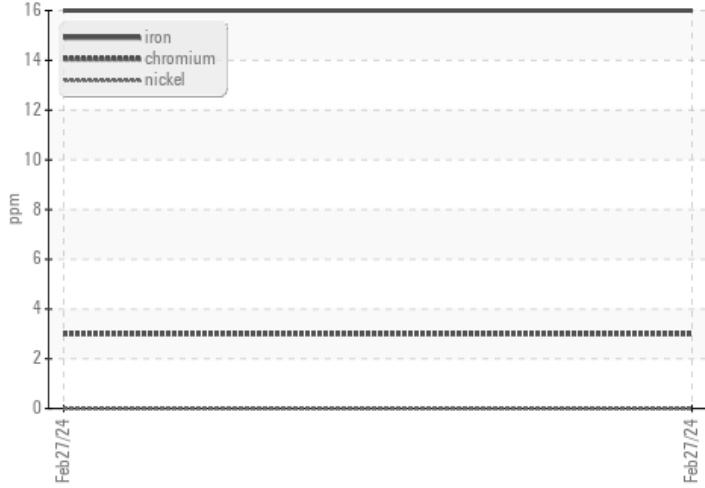


CONSTRUCTION EQUIPMENT

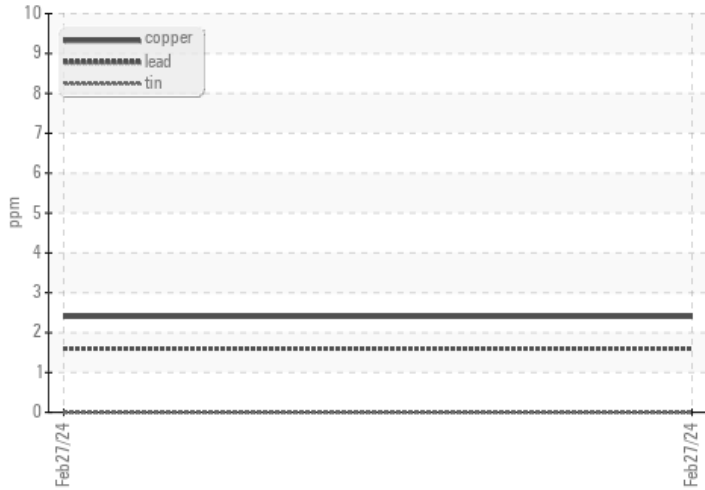


VOLVO GRAPHS

Ferrous Alloys



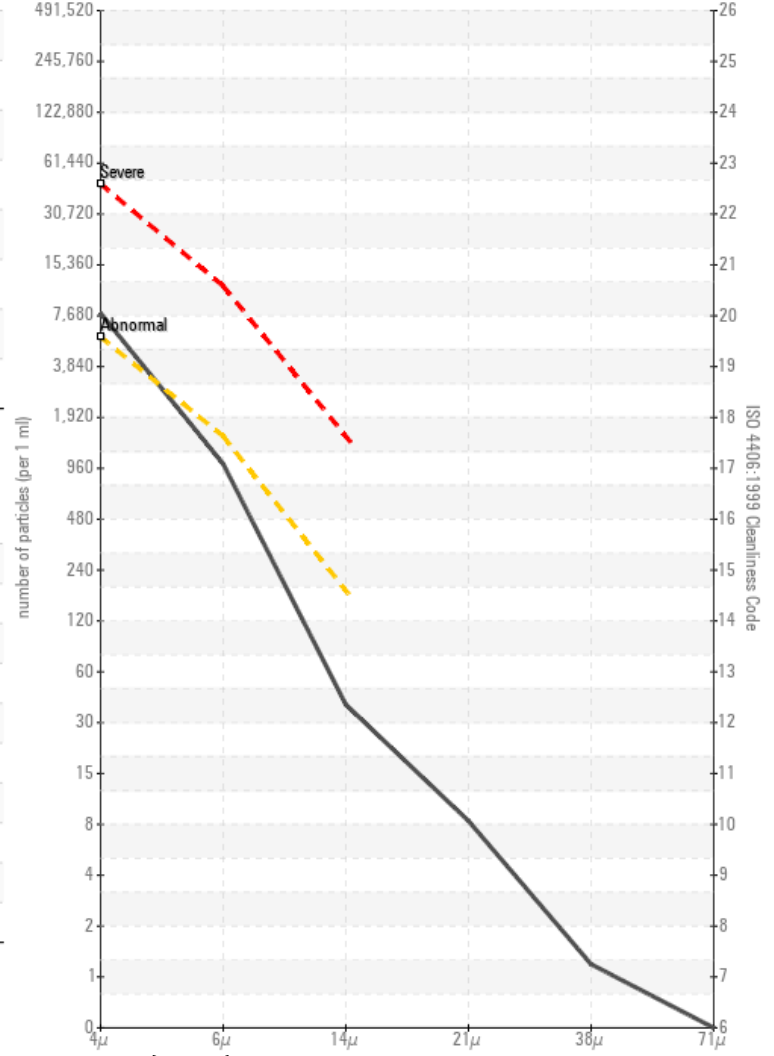
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

