



CONSTRUCTION EQUIPMENT

A11314 VOLVO L220H 3380 - HYDRAULIC SYSTEM



Sample No: VCP431258
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11314



SAMPLE INFORMATION

Sample Number	VCP431258	VCP400800	---	---
Sample Date	17 Oct 2023	08 May 2023	---	---
Machine Hours	4025	2470	---	---
Oil Hours	4025	1000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.6	42.4	---	---
Acid Number (AN)	mg KOH/g	0.26	0.25	---	---



CONTAMINATION

Particles >4µm		6920	4229	---	---
Particles >6µm		677	602	---	---
Particles >14µm		41	22	---	---
ISO 4406:1999 (c)		20/17/13	19/16/12	---	---
Silicon	ppm	2	1	---	---
Sodium	ppm	0	0	---	---
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	4	2	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	3	1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	67	52	---	---
Magnesium	ppm	<1	<1	---	---
Zinc	ppm	547	435	---	---
Phosphorus	ppm	427	338	---	---
Barium	ppm	3	0	---	---
Boron	ppm	0	0	---	---

Depot: COVBAI
Unique No: 10711771
Signed: Don Baldrige
Report Date: 27 Oct 2023

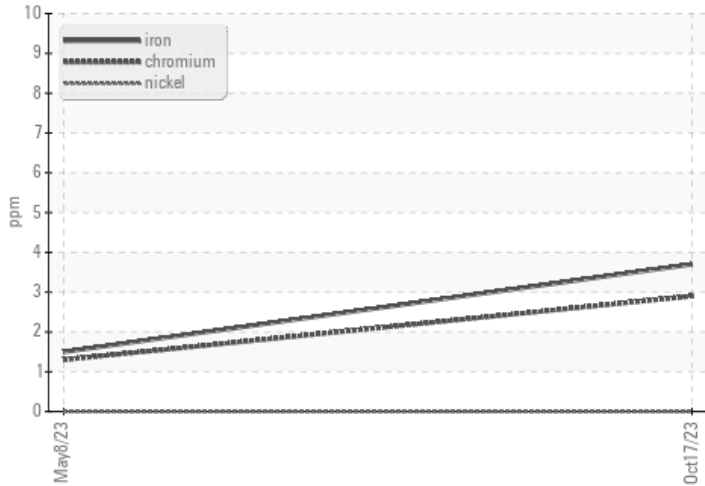


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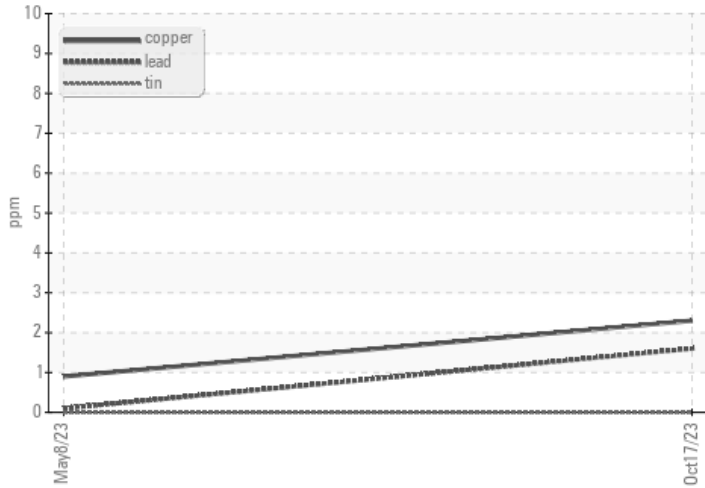


VOLVO GRAPHS

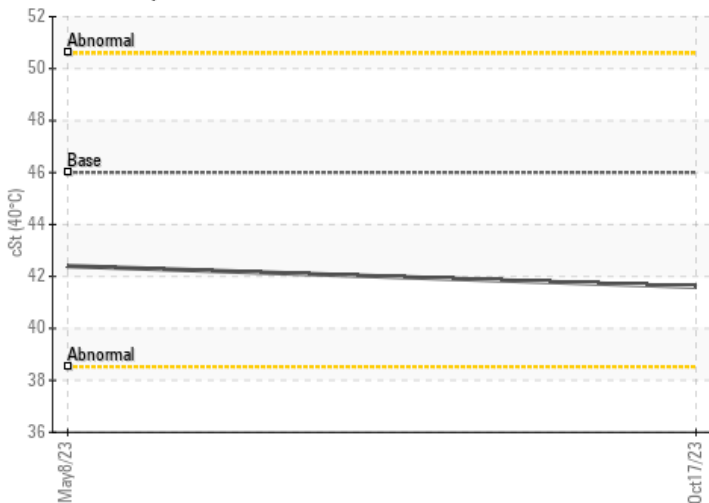
Ferrous Alloys



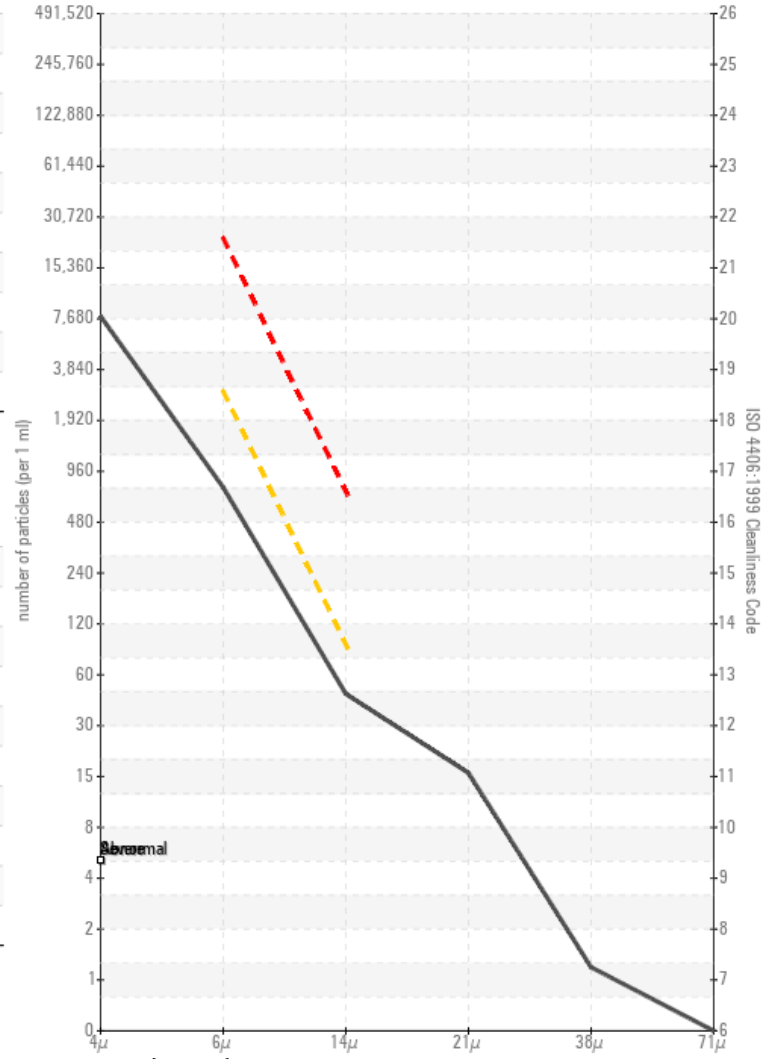
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

