



CONSTRUCTION EQUIPMENT

136102 VOLVO L220H 3548 - HYDRAULIC SYSTEM



Sample No: VCP442490
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 136102



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
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 T:
 F:



SAMPLE INFORMATION

Sample Number	VCP442490	VCP441148	VCP434229	---
Sample Date	17 Apr 2024	04 Mar 2024	12 Dec 2023	---
Machine Hours	1464	1125	496	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	43.0	43.0	42.8	---
Acid Number (AN)	mg KOH/g	0.47	0.43	0.31	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2828	4704	3408	---
Particles >6µm		389	546	313	---
Particles >14µm		28	45	40	---
ISO 4406:1999 (c)		19/16/12	19/16/13	19/15/12	---
Silicon	ppm	4	4	1	---
Sodium	ppm	<1	0	0	---
Potassium	ppm	0	<1	<1	---



WEAR METALS

Iron	ppm	2	3	1	---
Copper	ppm	1	1	2	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	313	322	49	---
Magnesium	ppm	2	4	1	---
Zinc	ppm	447	446	411	---
Phosphorus	ppm	346	352	365	---
Barium	ppm	0	0	10	---
Boron	ppm	0	0	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LATSCU
Unique No: 10991244
Signed: Wes Davis
Report Date: 23 Apr 2024

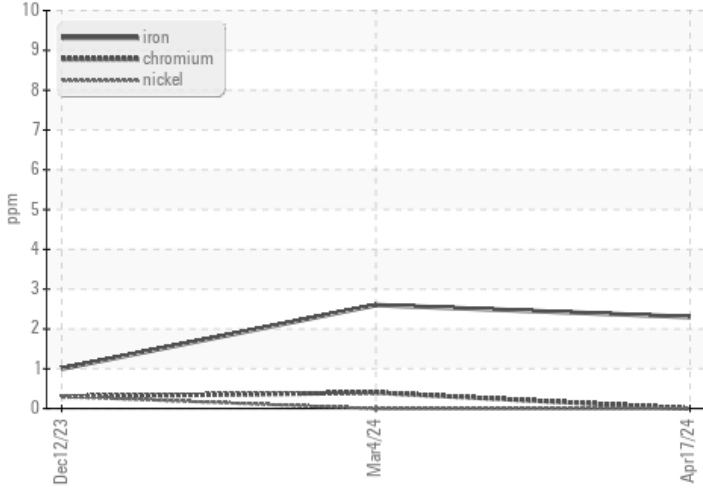


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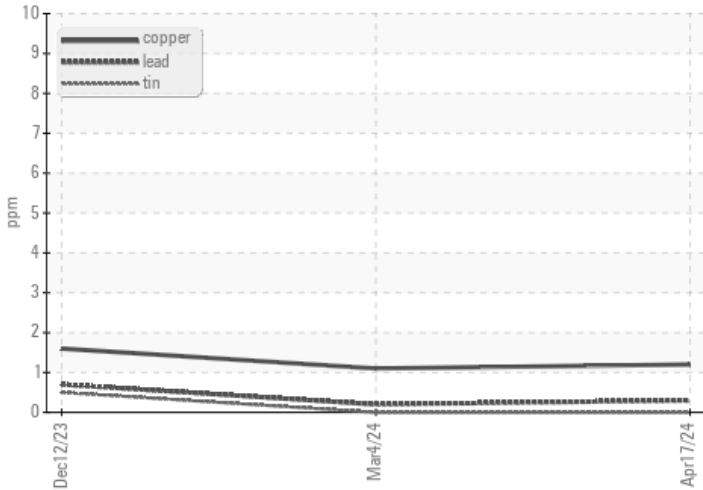


GRAPHS

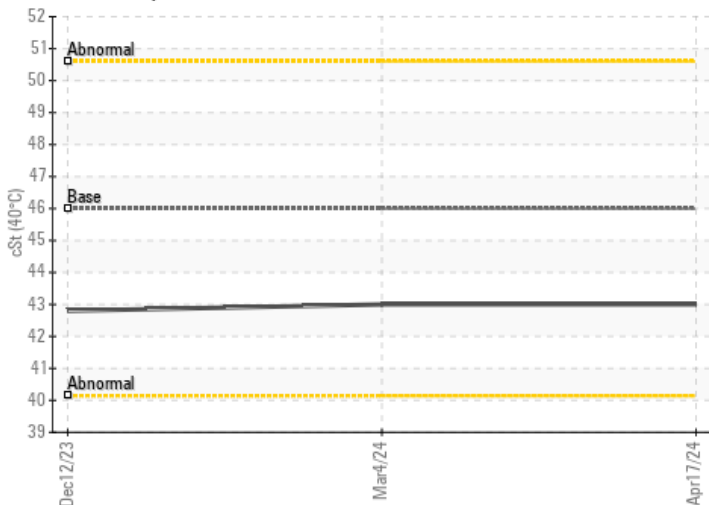
Ferrous Alloys



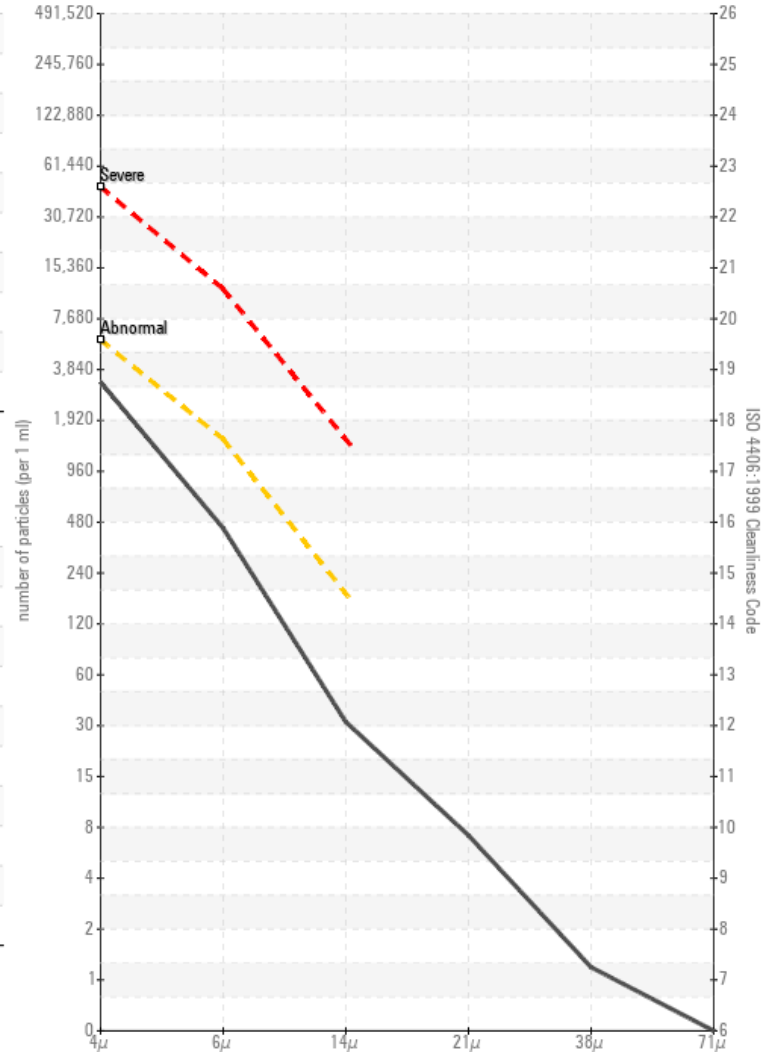
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

