



CONSTRUCTION EQUIPMENT

SPM688850 VOLVO L150H 7240 - HYDRAULIC SYSTEM



Sample No: VCP436238
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM688850



SAMPLE INFORMATION

Sample Number	VCP436238	VCP441626	VCP415349	---
Sample Date	03 Apr 2024	03 Feb 2024	25 Sep 2023	---
Machine Hours	2120	1622	582	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	---



SIMS METAL MANAGEMENT

2500 S. PAULINA
 CHICAGO, IL
 US 60608
 Contact: RYAN WISE
 ryan.wise@simsmm.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	44.2	42.5	42.4	---
Acid Number (AN)	mg KOH/g	0.40	0.24	0.32	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 18860	● 6938	▲ 10033	---
Particles >6µm		▲ 5021	■ 711	■ 1181	---
Particles >14µm		● 289	■ 20	■ 43	---
ISO 4406:1999 (c)		21/20/15	20/17/11	21/17/13	---
Silicon	ppm	1	2	<1	---
Sodium	ppm	2	<1	0	---
Potassium	ppm	<1	0	0	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 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	5	5	0	---
Copper	ppm	<1	2	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	3	<1	0	---
Molybdenum	ppm	2	<1	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	94	58	48	---
Magnesium	ppm	2	<1	0	---
Zinc	ppm	428	415	410	---
Phosphorus	ppm	337	327	310	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: SIMCHIL
Unique No: 10995716
Signed: Wes Davis
Report Date: 26 Apr 2024

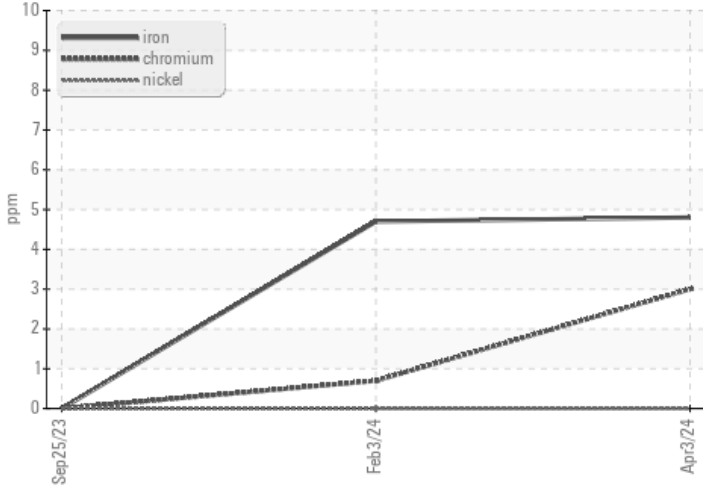


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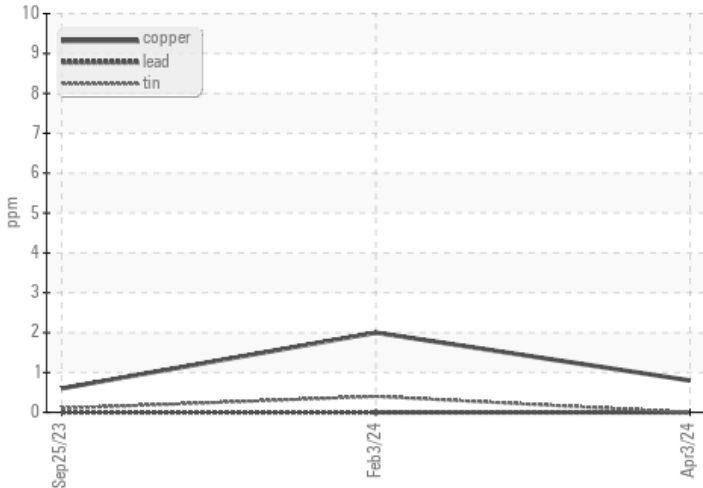


GRAPHS

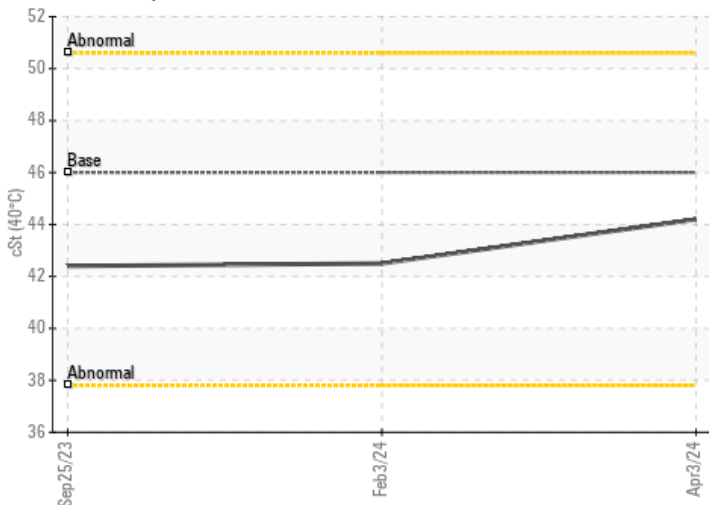
Ferrous Alloys



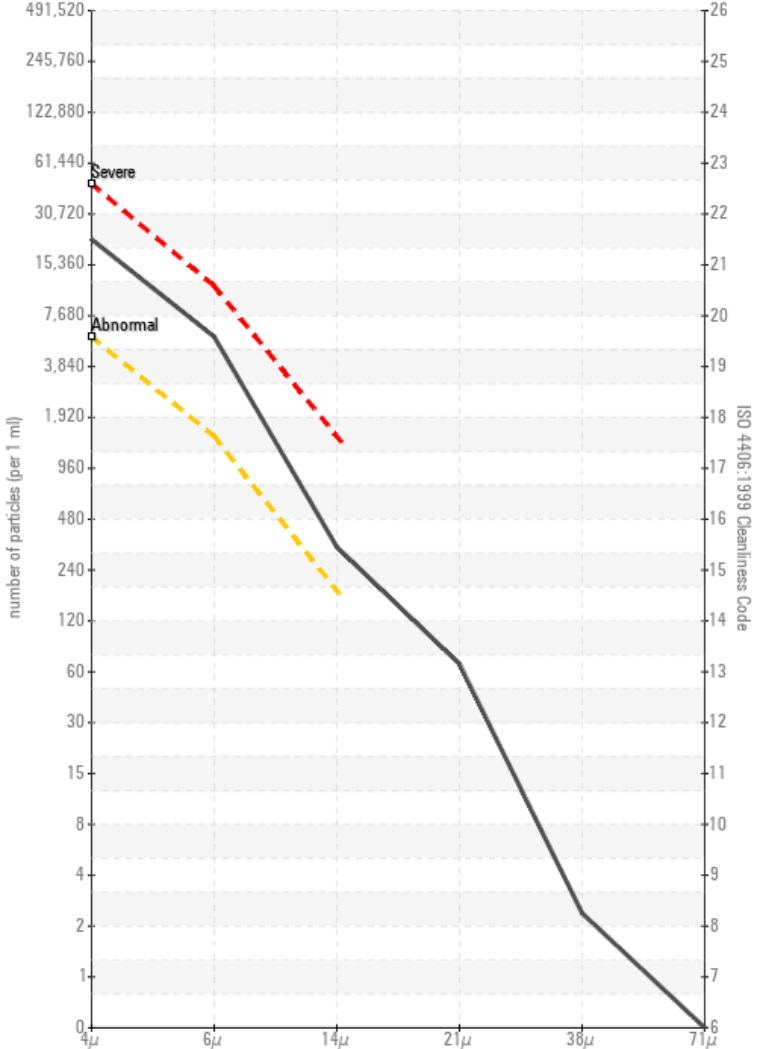
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

