



CONSTRUCTION EQUIPMENT

SPM661462 VOLVO L150H 7240 - HYDRAULIC SYSTEM



Sample No: VCP441626
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM661462



SAMPLE INFORMATION

Sample Number	VCP441626	VCP415349	---	---
Sample Date	03 Feb 2024	25 Sep 2023	---	---
Machine Hours	1622	582	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	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	42.5	42.4	---	---
Acid Number (AN)	mg KOH/g	0.24	0.32	---	---



CONTAMINATION

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

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 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	■ 5	■ 0	---	---
Copper	ppm	■ 2	■ <1	---	---
Lead	ppm	■ 0	■ 0	---	---
Tin	ppm	■ <1	■ <1	---	---
Aluminum	ppm	■ 0	■ 0	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	■ <1	■ 0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 58	■ 48	---	---
Magnesium	ppm	■ <1	■ 0	---	---
Zinc	ppm	■ 415	■ 410	---	---
Phosphorus	ppm	■ 327	■ 310	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

Depot: SIMCHIL
Unique No: 10882924
Signed: Wes Davis
Report Date: 16 Feb 2024

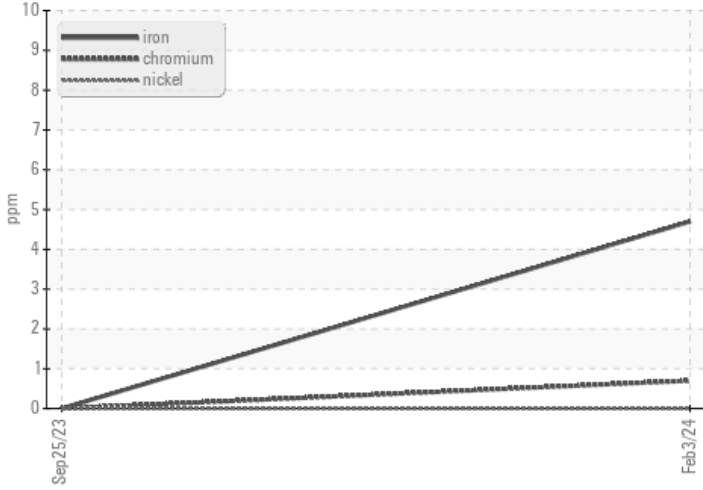


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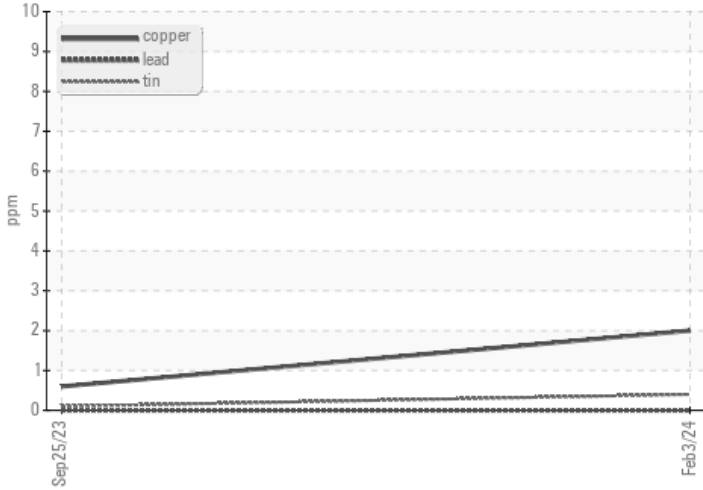


VOLVO GRAPHS

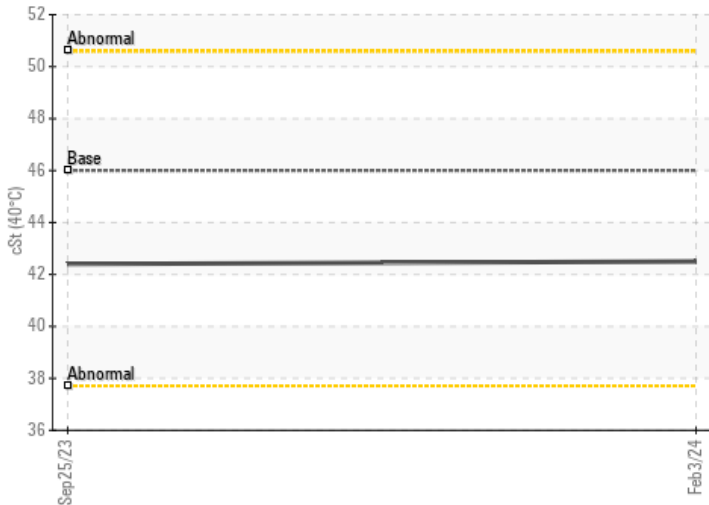
Ferrous Alloys



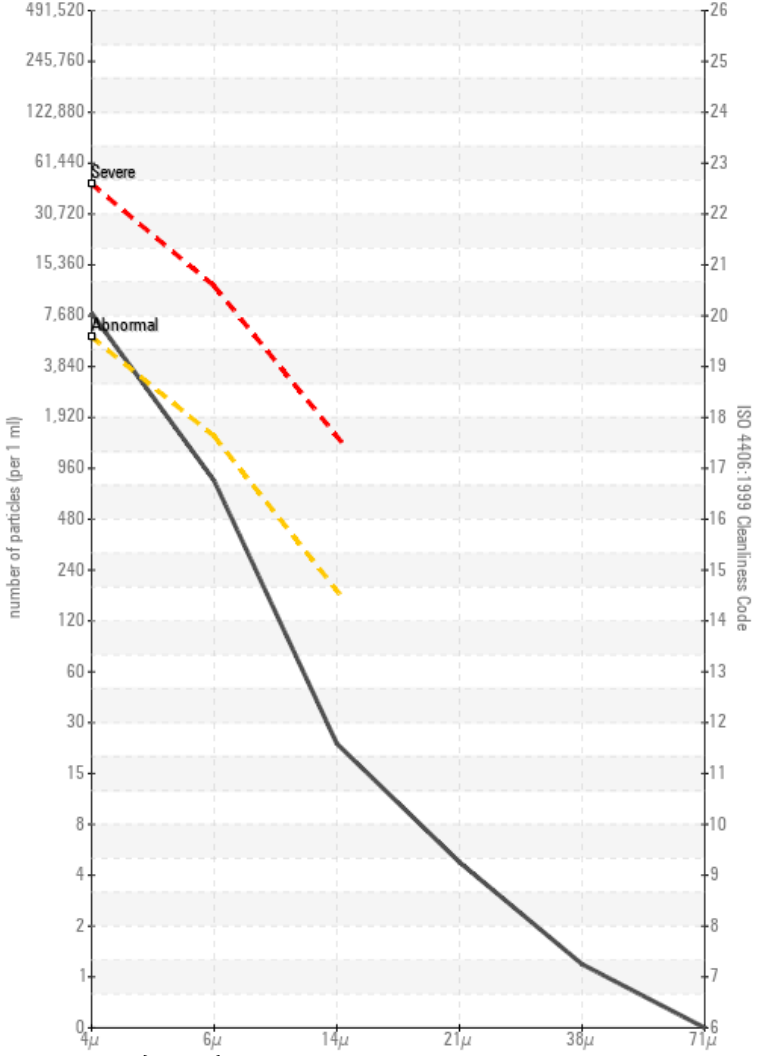
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

