



CONSTRUCTION EQUIPMENT

581789 VOLVO L120H 632767 - HYDRAULIC SYSTEM



Sample No: VCP422682
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 581789



SAMPLE INFORMATION

Sample Number	VCP422682	VCP334530	---	---
Sample Date	03 Aug 2023	10 Nov 2021	---	---
Machine Hours	4536	1898	---	---
Oil Hours	4000	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	44.1	47.7	---	---
Acid Number (AN)	mg KOH/g	0.38	0.409	---	---



CONTAMINATION

Particles >4µm		---	▲ 14650	---	---
Particles >6µm		---	517	---	---
Particles >14µm		---	20	---	---
ISO 4406:1999 (c)		---	21/16/11	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	4	5	---	---
Copper	ppm	1	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	14	7	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	262	83	---	---
Magnesium	ppm	17	14	---	---
Zinc	ppm	486	375	---	---
Phosphorus	ppm	410	318	---	---
Barium	ppm	0	0	---	---
Boron	ppm	3	2	---	---

Depot: VOLVO0093
Unique No: 10616080
Signed: Don Baldrige
Report Date: 23 Aug 2023

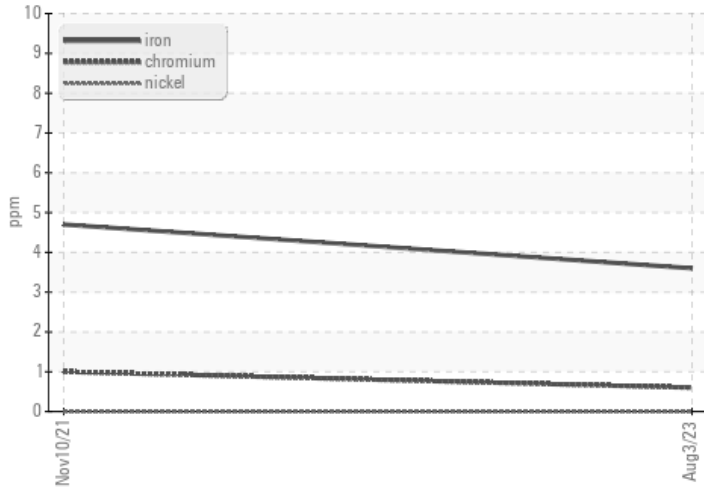


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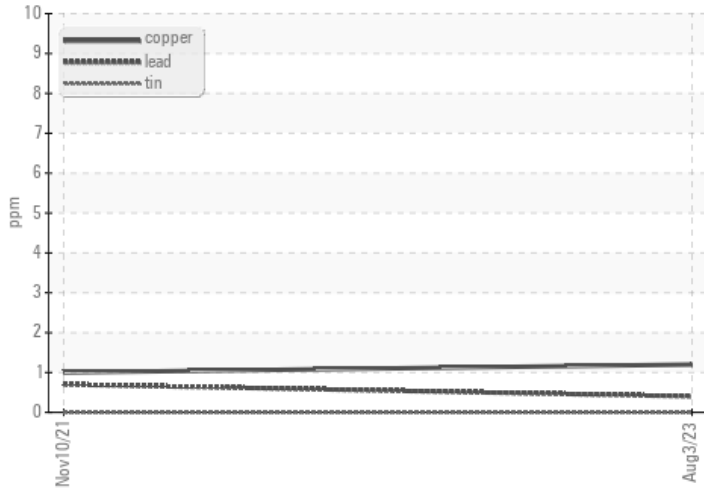


GRAPHS

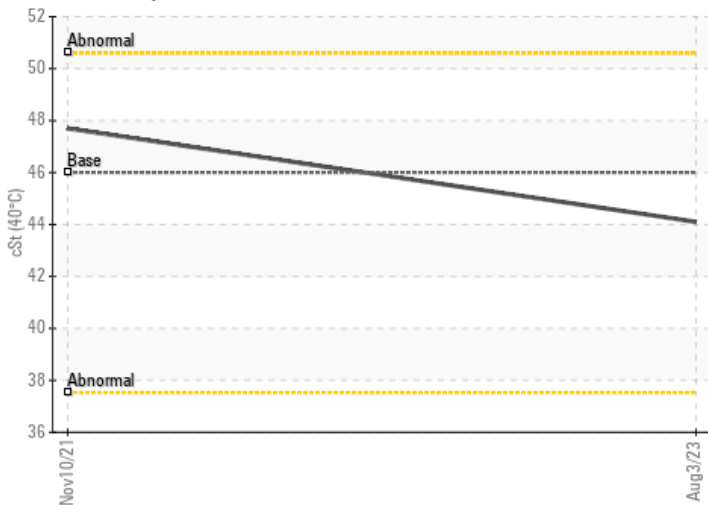
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

