



CONSTRUCTION EQUIPMENT

VOLVO L120H 632699 - HYDRAULIC SYSTEM



Sample No: VCP0007401

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP0007401	VCP0002534	VCP360896	---
Sample Date	02 Oct 2023	15 Nov 2022	27 Apr 2022	---
Machine Hours	6097	4046	2522	---
Oil Hours	4573	1524	2522	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	SEVERE	ABNORMAL	NORMAL	---



ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

Contact: SHAWN NORTHCRAFT
shawn.northcraft@altg.com
T: (904)737-6000
F: (904)737-1260



OIL CONDITION

Visc @ 40°C	cSt	44.5	42.8	43.6	---
Acid Number (AN)	mg KOH/g	0.25	0.37	0.47	---



CONTAMINATION

Particles >4µm		132825	11459	3747	---
Particles >6µm		48370	431	680	---
Particles >14µm		2718	30	33	---
ISO 4406:1999 (c)		24/23/19	21/16/12	19/17/12	---
Silicon	ppm	5	3	10	---
Sodium	ppm	3	2	2	---
Potassium	ppm	<1	0	0	---



WEAR METALS

Iron	ppm	16	10	2	---
Copper	ppm	2	3	2	---
Lead	ppm	2	2	2	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	3	<1	0	---
Chromium	ppm	1	<1	0	---
Molybdenum	ppm	<1	<1	5	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	250	113	193	---
Magnesium	ppm	4	5	31	---
Zinc	ppm	625	477	389	---
Phosphorus	ppm	466	378	343	---
Barium	ppm	0	0	0	---
Boron	ppm	0	1	14	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of particulates (2 to 100 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.

Depot: VOLVO0092
Unique No: 10675440
Signed: Wes Davis
Report Date: 05 Oct 2023

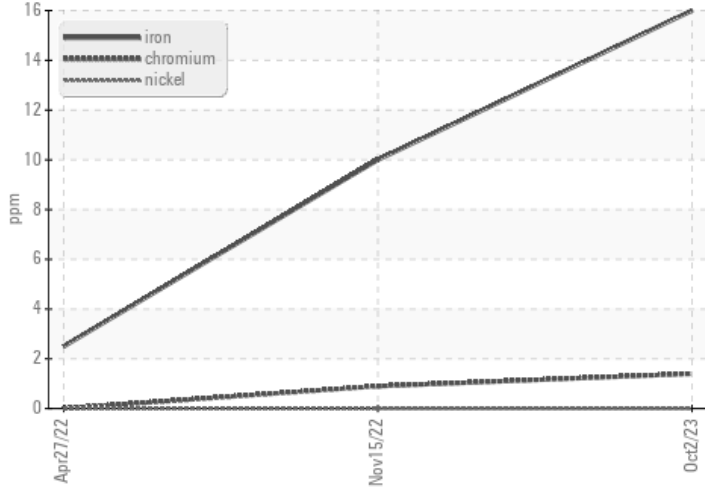


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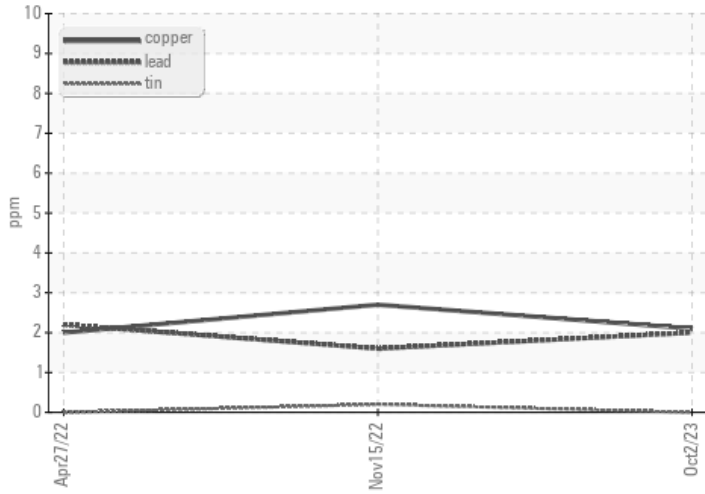


GRAPHS

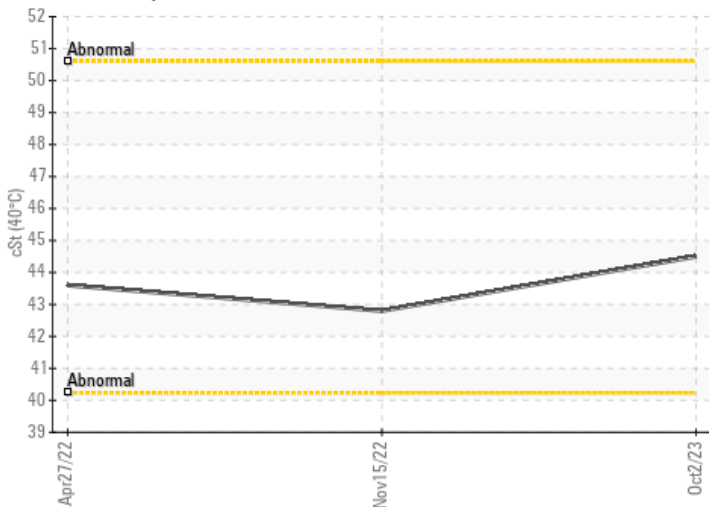
Ferrous Alloys



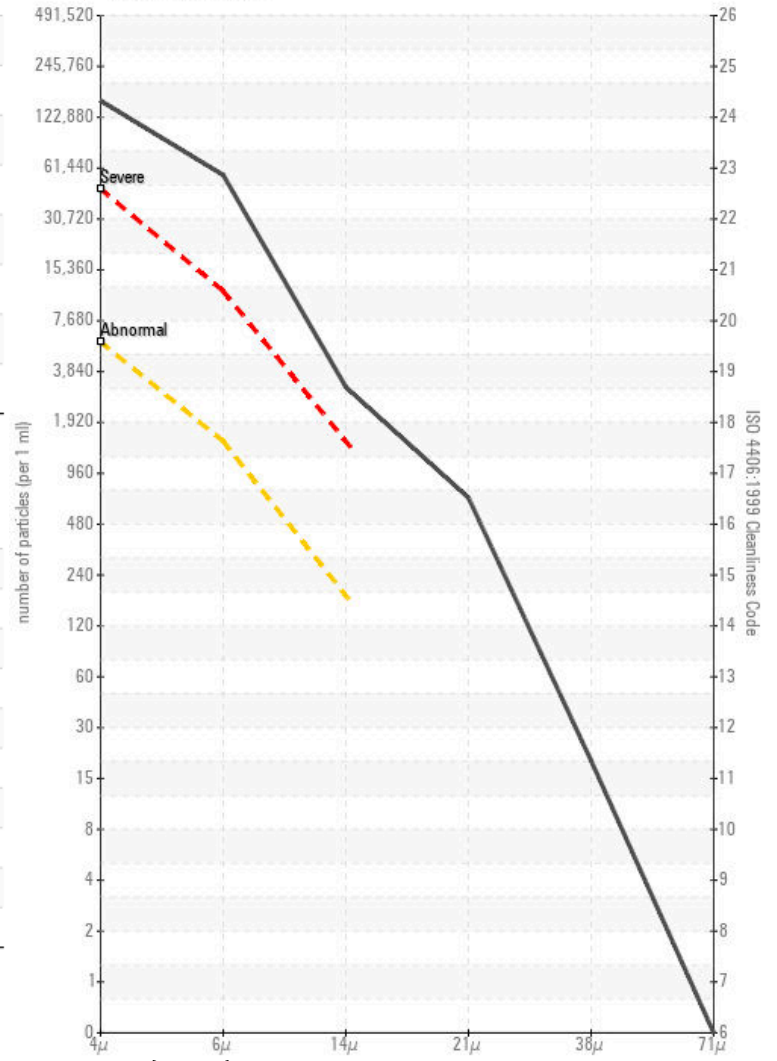
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

