



CONSTRUCTION EQUIPMENT

526652 CITY OF TAMPA VOLVO L120H 632787 - HYDRAULIC SYSTEM



Sample No: VCP341495
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 526652 CITY OF TAMPA



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SAMPLE INFORMATION

Sample Number	VCP341495	VCP362567	---	---
Sample Date	22 Mar 2023	19 Jul 2022	---	---
Machine Hours	6093	4901	---	---
Oil Hours	2000	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.9	█ 42.1	---	---
Acid Number (AN)	mg KOH/g	█ 0.33	█ 0.07	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 12331	▲ 18049	---	---
Particles >6µm		▲ 2834	▲ 3230	---	---
Particles >14µm		▲ 232	█ 144	---	---
ISO 4406:1999 (c)		21/19/15	21/19/14	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ 0	█ 0	---	---



WEAR METALS

Iron	ppm	█ 4	█ 5	---	---
Copper	ppm	█ 1	█ 2	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 3	█ 3	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 54	█ 64	---	---
Magnesium	ppm	█ 10	█ 3	---	---
Zinc	ppm	█ 361	█ 401	---	---
Phosphorus	ppm	█ 294	█ 326	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	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. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10414876
Signed: Don Baldrige
Report Date: 10 Apr 2023

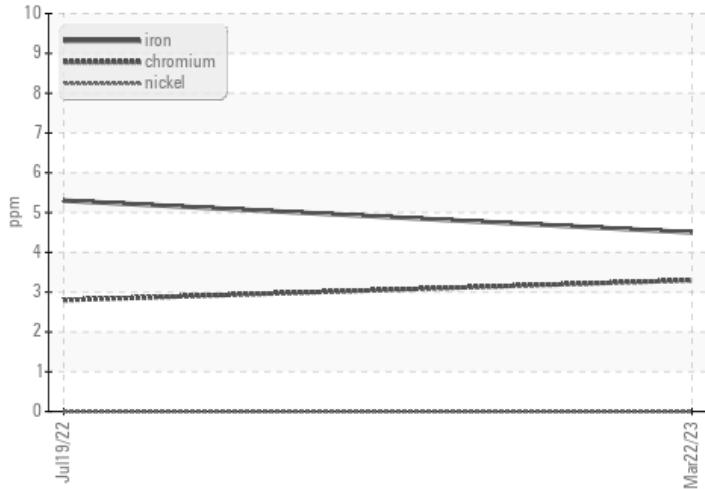


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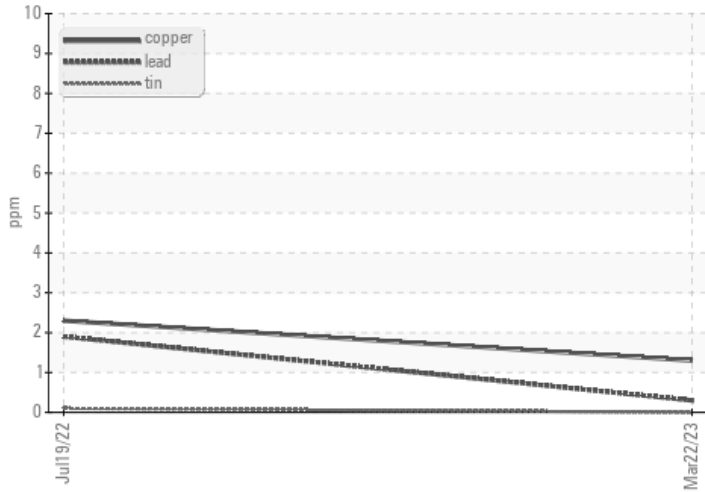


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

