



CONSTRUCTION EQUIPMENT

689018 IAA VOLVO L90H 623069 - HYDRAULIC SYSTEM



Sample No: VCP441310
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 689018 IAA



SAMPLE INFORMATION

Sample Number	VCP441310	VCP345052	---	---
Sample Date	04 Apr 2024	04 Nov 2021	---	---
Machine Hours	16355	11990	---	---
Oil Hours	4000	4000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 40°C	cSt	44.5	43.0	---	---
Acid Number (AN)	mg KOH/g	0.25	0.287	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	40817	---	---
Particles >6µm		---	▲ 11314	---	---
Particles >14µm		---	▲ 742	---	---
ISO 4406:1999 (c)		---	23/21/17	---	---
Silicon	ppm	<1	4	---	---
Sodium	ppm	0	1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

No corrective action is recommended at this time. Oil and 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	0	4	---	---
Copper	ppm	0	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	0	1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

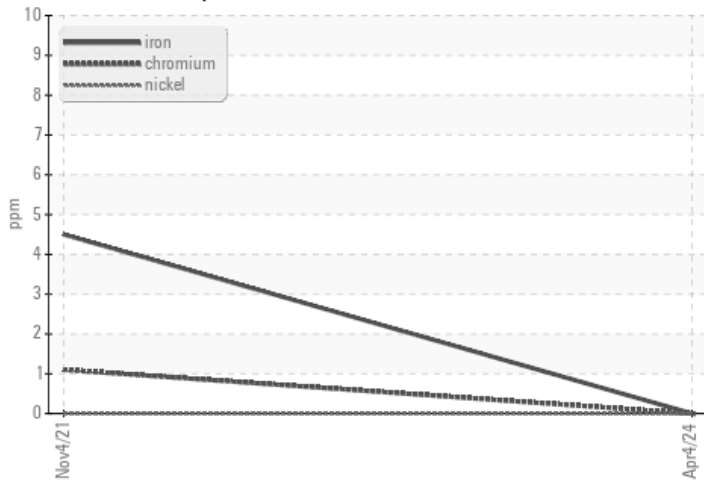
Calcium	ppm	46	133	---	---
Magnesium	ppm	0	4	---	---
Zinc	ppm	338	426	---	---
Phosphorus	ppm	269	351	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	6	---	---

Depot: VOLVO2990
Unique No: 10968969
Signed: Don Baldrige
Report Date: 12 Apr 2024

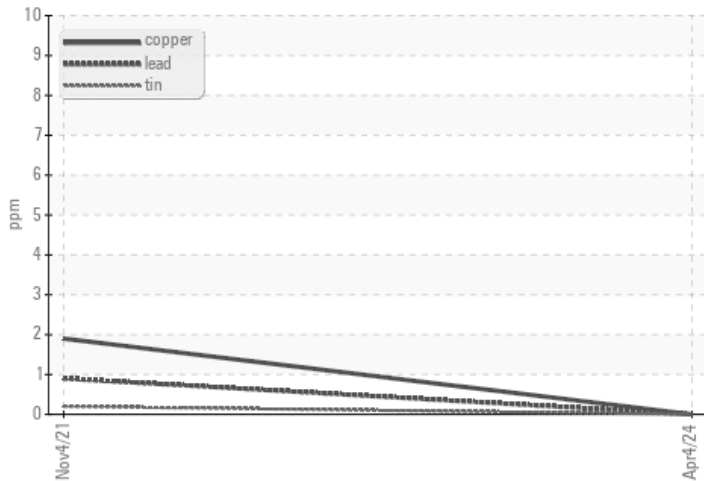


GRAPHS

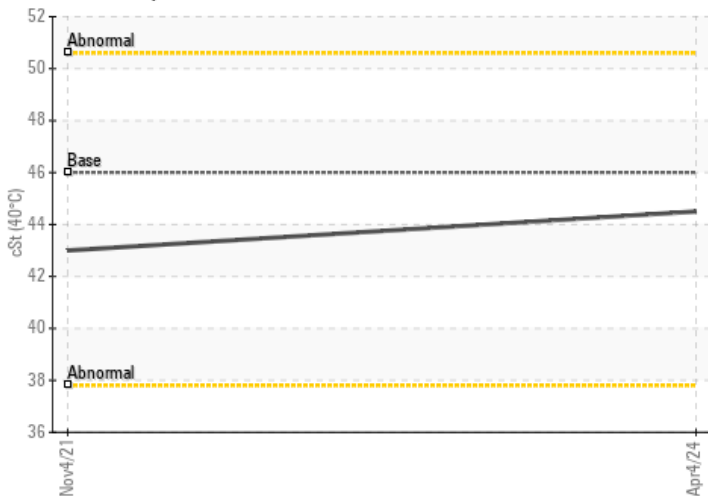
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

