



CONSTRUCTION EQUIPMENT

623769 SYNERGY VOLVO L70H 623769 - HYDRAULIC SYSTEM



Sample No: VCP443735
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 623769 SYNERGY



SAMPLE INFORMATION

Sample Number	VCP443735	VCP440376	---	---
Sample Date	03 Apr 2024	05 Oct 2023	---	---
Machine Hours	3496	3003	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	47.8	47.8	---	---
Acid Number (AN)	mg KOH/g	0.31	0.41	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	4323	---	---
Particles >6µm		---	1161	---	---
Particles >14µm		---	81	---	---
ISO 4406:1999 (c)		---	19/17/14	---	---
Silicon	ppm	2	2	---	---
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. 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	1	<1	---	---
Copper	ppm	<1	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

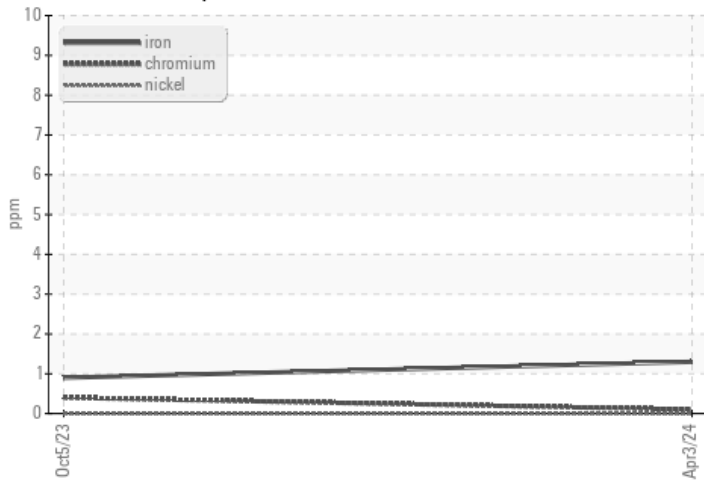
Calcium	ppm	54	54	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	407	415	---	---
Phosphorus	ppm	322	326	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0096
Unique No: 10968962
Signed: Don Baldrige
Report Date: 12 Apr 2024

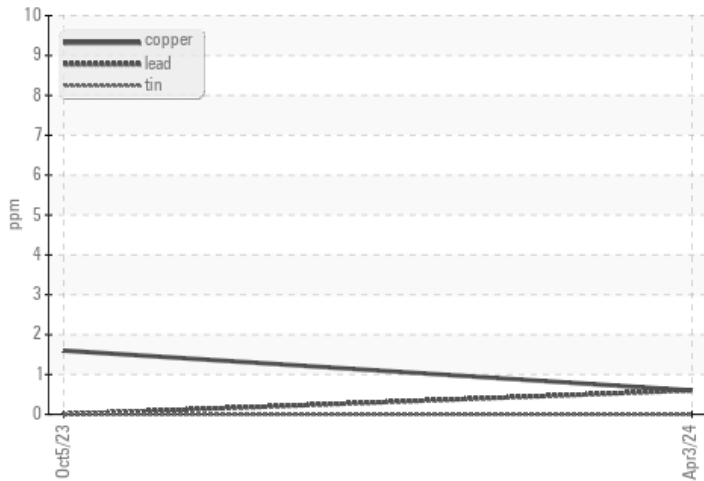


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

