



CONSTRUCTION EQUIPMENT

700821 HILLSBOROUGH VOLVO L120H 633404 - HYDRAULIC SYSTEM



Sample No: VCP441663
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 700821 HILLSBOROUGH



SAMPLE INFORMATION

Sample Number	VCP441663	VCP426233	---	---
Sample Date	05 Apr 2024	28 Sep 2023	---	---
Machine Hours	2034	1023	---	---
Oil Hours	2034	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.2	43.7	---	---
Acid Number (AN)	mg KOH/g	0.31	0.52	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2473	16617	---	---
Particles >6µm		238	4259	---	---
Particles >14µm		9	255	---	---
ISO 4406:1999 (c)		18/15/10	21/19/15	---	---
Silicon	ppm	1	1	---	---
Sodium	ppm	1	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	67	67	---	---
Magnesium	ppm	2	1	---	---
Zinc	ppm	421	424	---	---
Phosphorus	ppm	322	327	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 11018639
Signed: Wes Davis
Report Date: 09 May 2024

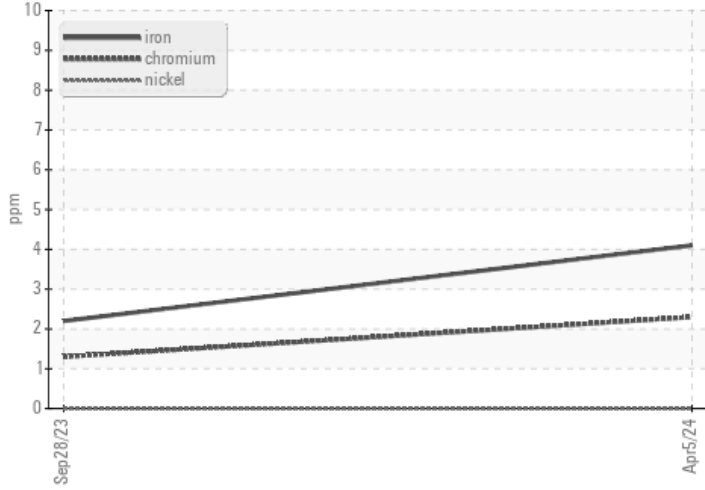


CONSTRUCTION EQUIPMENT

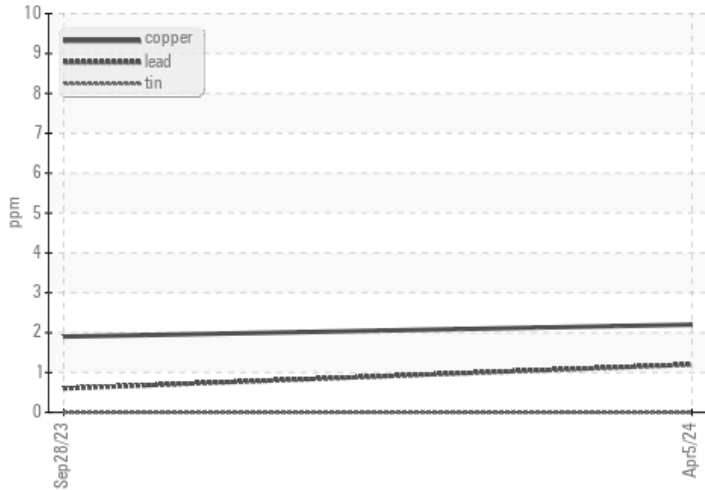


GRAPHS

Ferrous Alloys



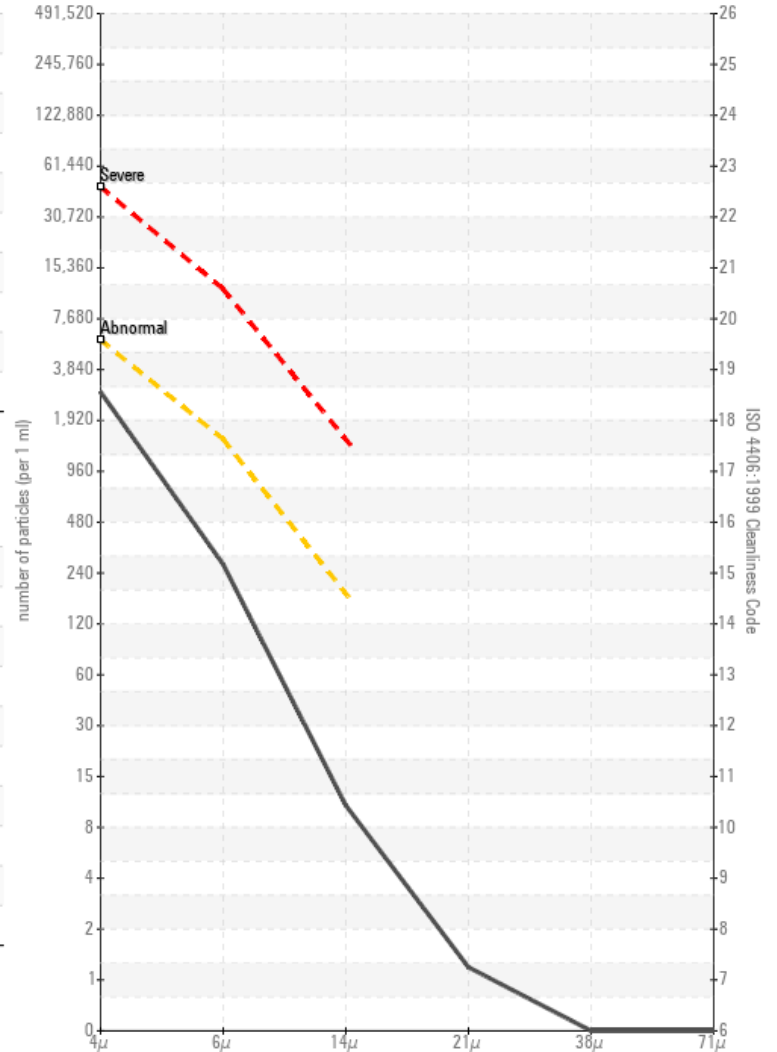
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

