



CONSTRUCTION EQUIPMENT

674847 LAKE CONWAY VOLVO L20H 1220453 - HYDRAULIC SYSTEM



Sample No: VCP440773
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 674847 LAKE CONWAY



SAMPLE INFORMATION

Sample Number	VCP440773	VCP389633	---	---
Sample Date	20 Feb 2024	21 Oct 2022	---	---
Machine Hours	1164	307	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	44.1	42.4	---	---
Acid Number (AN)	mg KOH/g	0.49	0.47	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		8389	2653	---	---
Particles >6µm		697	204	---	---
Particles >14µm		32	23	---	---
ISO 4406:1999 (c)		20/17/12	19/15/12	---	---
Silicon	ppm	2	<1	---	---
Sodium	ppm	0	0	---	---
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	<1	1	---	---
Copper	ppm	4	2	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	328	49	---	---
Magnesium	ppm	3	0	---	---
Zinc	ppm	483	422	---	---
Phosphorus	ppm	339	317	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0096
Unique No: 10899782
Signed: Wes Davis
Report Date: 28 Feb 2024

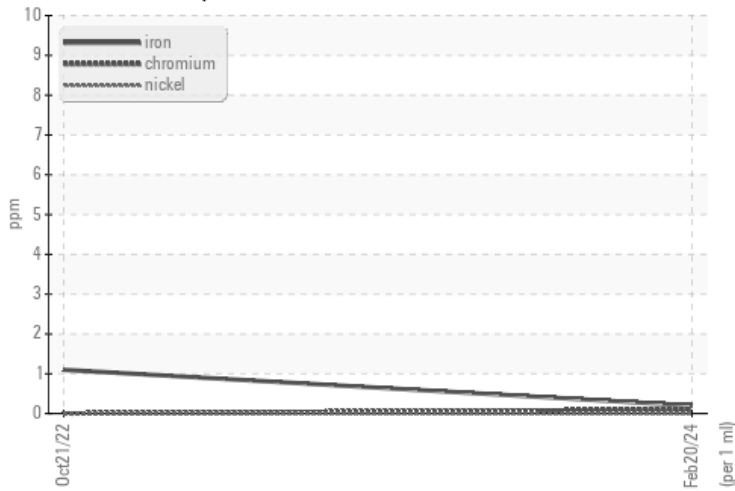


CONSTRUCTION EQUIPMENT

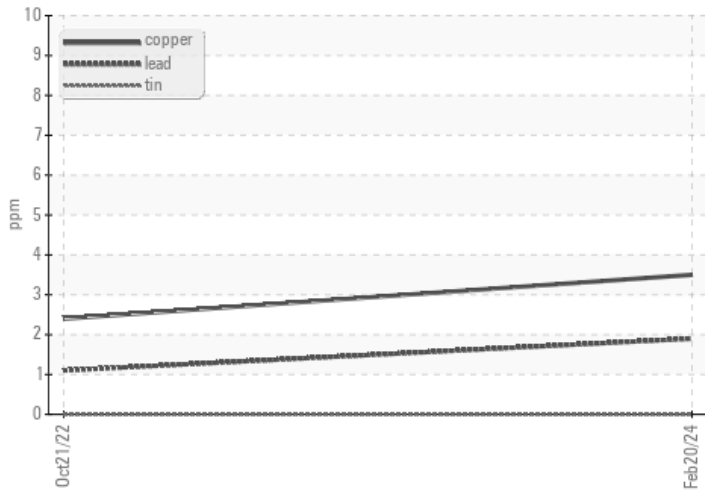


GRAPHS

Ferrous Alloys



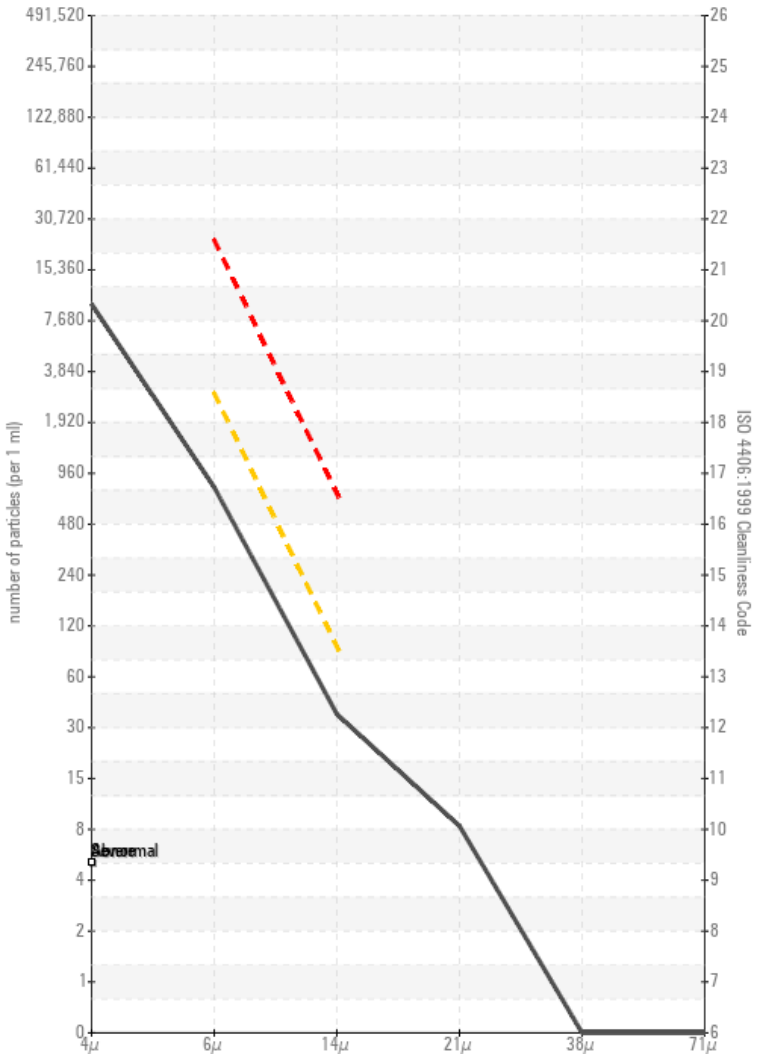
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

