



CONSTRUCTION EQUIPMENT

647199 ATLAS ORG VOLVO L70H 623753 - HYDRAULIC SYSTEM



Sample No: VCP432884
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 647199 ATLAS ORG



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SAMPLE INFORMATION

Sample Number	VCP432884	VCP425058	---	---
Sample Date	21 Dec 2023	29 Jun 2023	---	---
Machine Hours	8081	6718	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	█ 44.9	---	---
Acid Number (AN)	mg KOH/g	█ 0.56	█ 0.48	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 1052	█ 1403	---	---
Particles >6µm		█ 143	█ 333	---	---
Particles >14µm		█ 12	█ 32	---	---
ISO 4406:1999 (c)		17/14/11	18/16/12	---	---
Silicon	ppm	█ 2	█ 2	---	---
Sodium	ppm	█ 4	█ <1	---	---
Potassium	ppm	█ 2	█ 1	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 95	█ 131	---	---
Magnesium	ppm	█ 0	█ 34	---	---
Zinc	ppm	█ 435	█ 548	---	---
Phosphorus	ppm	█ 361	█ 454	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 7	█ 15	---	---

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.

Depot: VOLVO0096
Unique No: 10808331
Signed: Wes Davis
Report Date: 02 Jan 2024

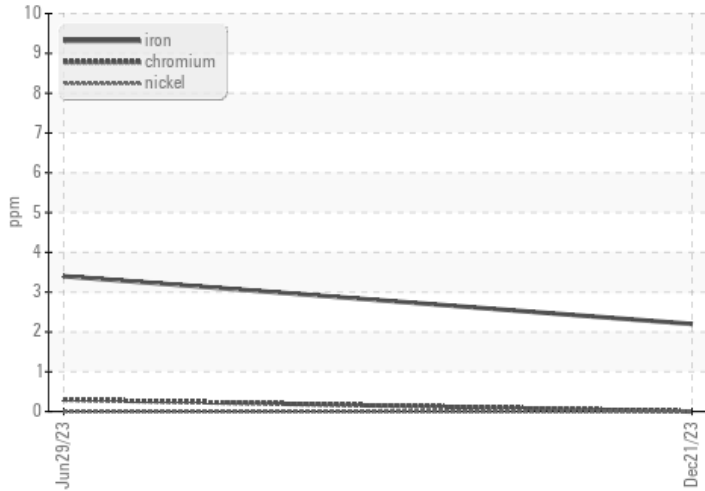


CONSTRUCTION EQUIPMENT

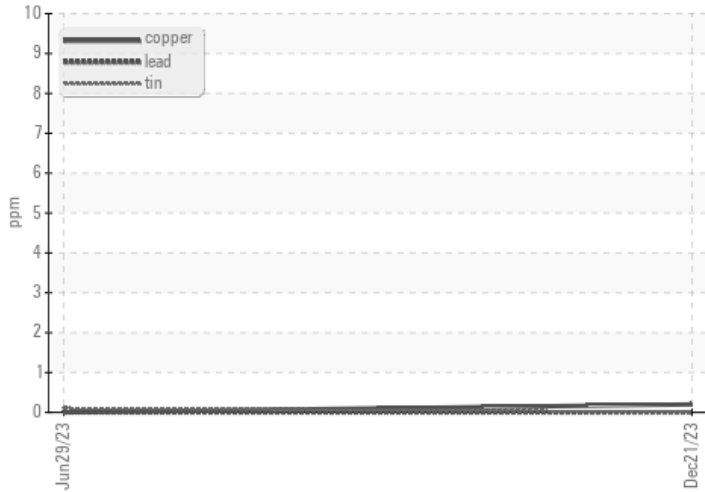


GRAPHS

Ferrous Alloys



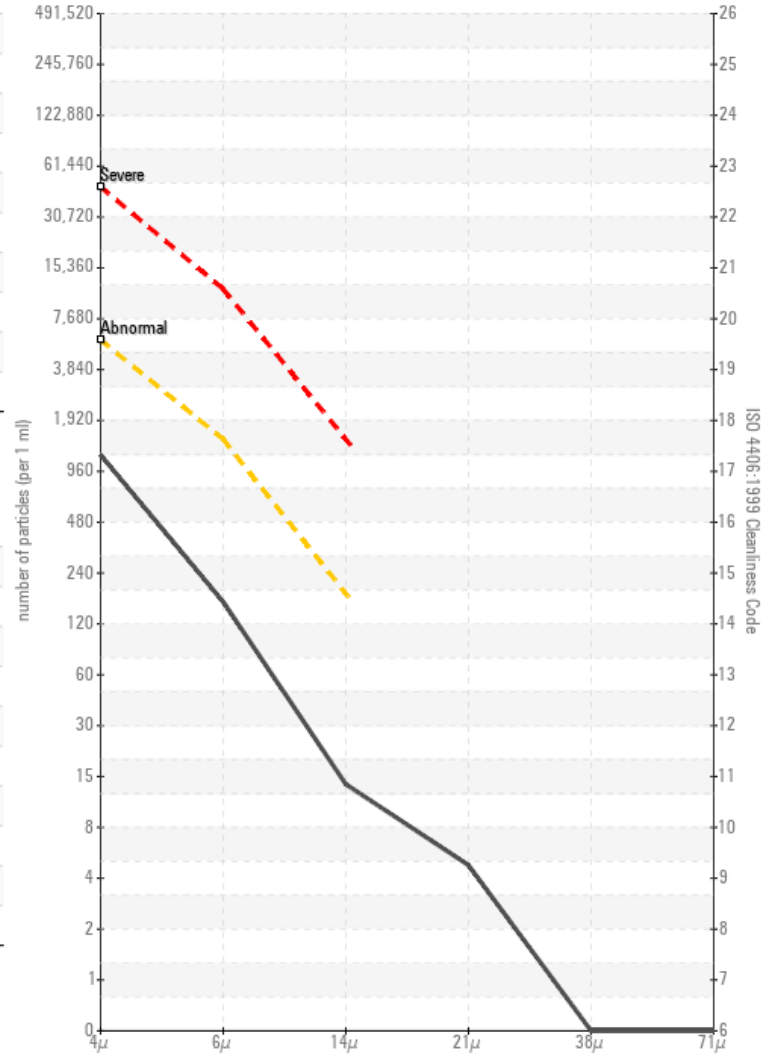
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

