



CONSTRUCTION EQUIPMENT

728858 ATLAS ORGANIC VOLVO L120H 632572 - HYDRAULIC SYSTEM



Sample No: VCP445601
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 728858 ATLAS ORGANIC



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SAMPLE INFORMATION

Sample Number	VCP445601	VCP424421	---	---
Sample Date	11 Jun 2024	27 Sep 2023	---	---
Machine Hours	11039	9971	---	---
Oil Hours	1500	4000	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	█ 42.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	█ 0.27	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 1547	▲ 11615	---	---
Particles >6µm		█ 300	▲ 4914	---	---
Particles >14µm		█ 20	▲ 414	---	---
ISO 4406:1999 (c)		18/15/11	21/19/16	---	---
Silicon	ppm	█ 2	█ 4	---	---
Sodium	ppm	█ 1	█ 3	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 7	█ 11	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ <1	█ 3	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 2	█ 4	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 84	█ 73	---	---
Magnesium	ppm	█ 2	█ 4	---	---
Zinc	ppm	█ 428	█ 477	---	---
Phosphorus	ppm	█ 357	█ 358	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	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.

Depot: VOLVO0093
Unique No: 11126530
Signed: Wes Davis
Report Date: 17 Jul 2024

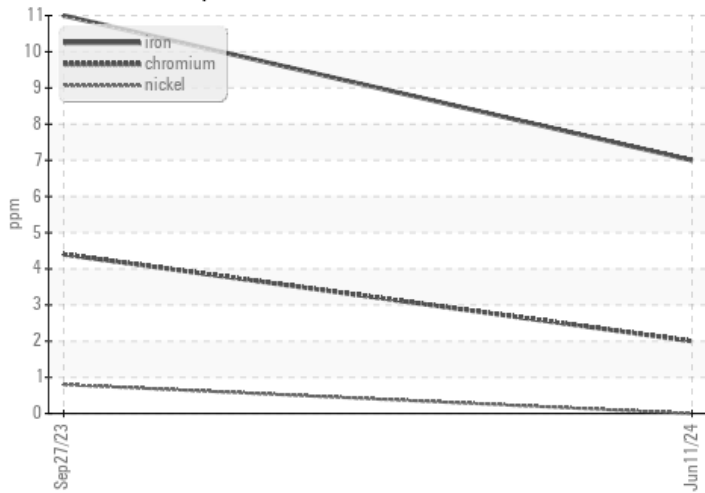


CONSTRUCTION EQUIPMENT

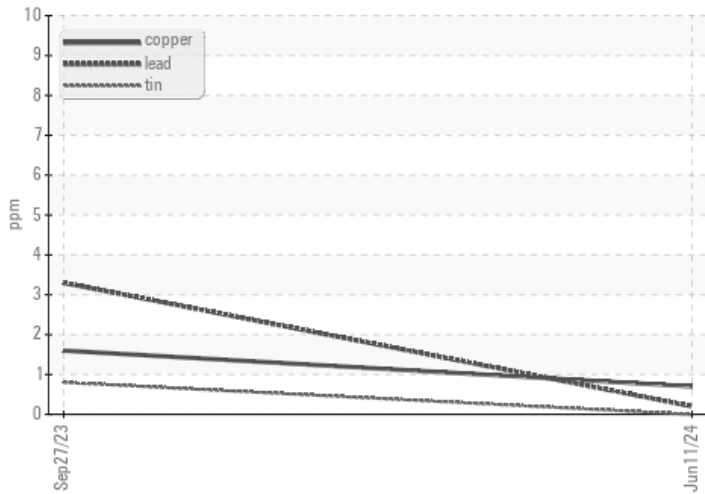


GRAPHS

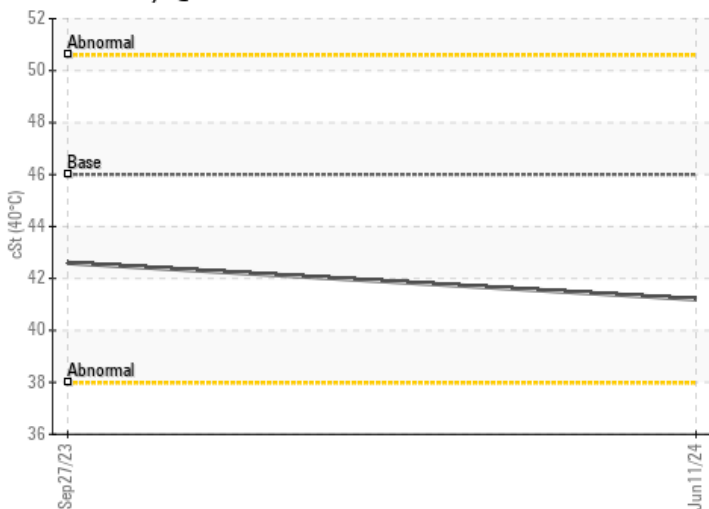
Ferrous Alloys



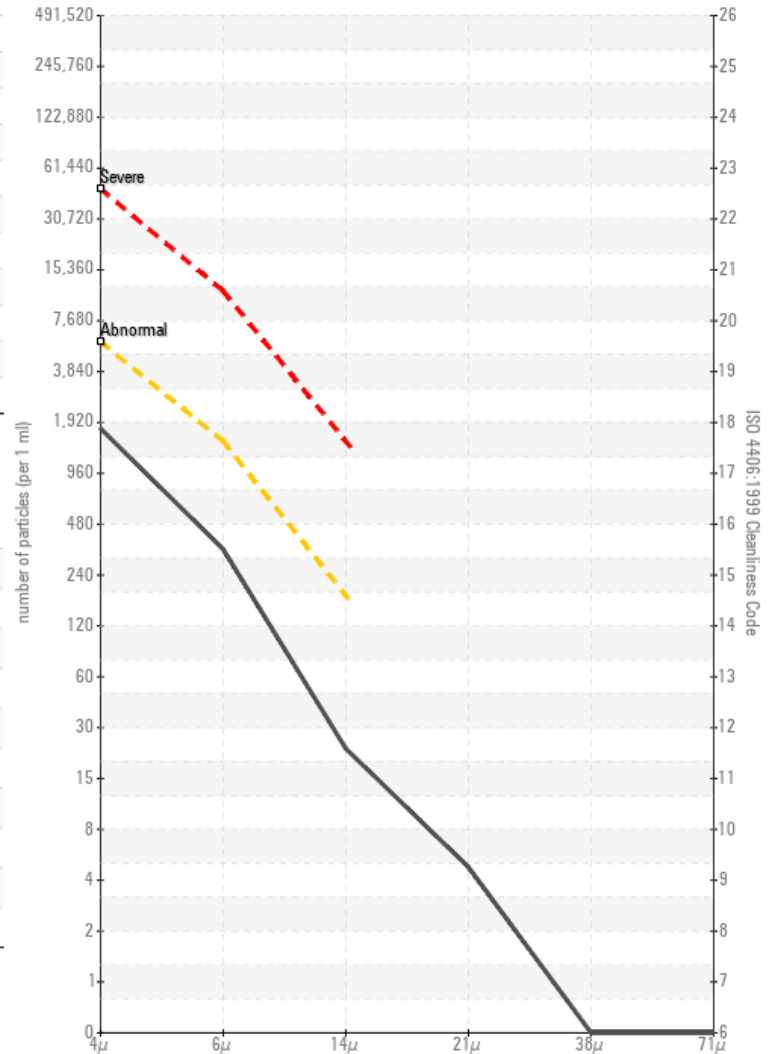
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

