



CONSTRUCTION EQUIPMENT

SWA363603 COASTAL WA VOLVO L120H 632589 - HYDRAULIC SYSTEM



Sample No: VCP433831
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA363603 COASTAL WA



SAMPLE INFORMATION

Sample Number	VCP433831	VCP365905	---	---
Sample Date	18 Sep 2023	13 Jan 2023	---	---
Machine Hours	10144	8129	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	46.8	47.5	---	---
Acid Number (AN)	mg KOH/g	0.54	0.45	---	---



CONTAMINATION

Particles >4µm		4092	1045	---	---
Particles >6µm		1032	121	---	---
Particles >14µm		98	11	---	---
ISO 4406:1999 (c)		19/17/14	17/14/11	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	1	1	---	---

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



ADDITIVES

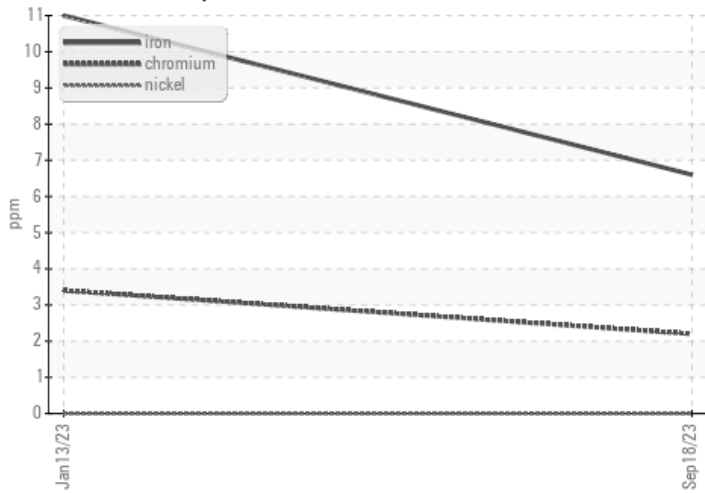
Calcium	ppm	481	499	---	---
Magnesium	ppm	14	9	---	---
Zinc	ppm	523	492	---	---
Phosphorus	ppm	412	399	---	---
Barium	ppm	0	1	---	---
Boron	ppm	2	2	---	---

Depot: VOLVO0095
Unique No: 10658788
Signed: Wes Davis
Report Date: 22 Sep 2023

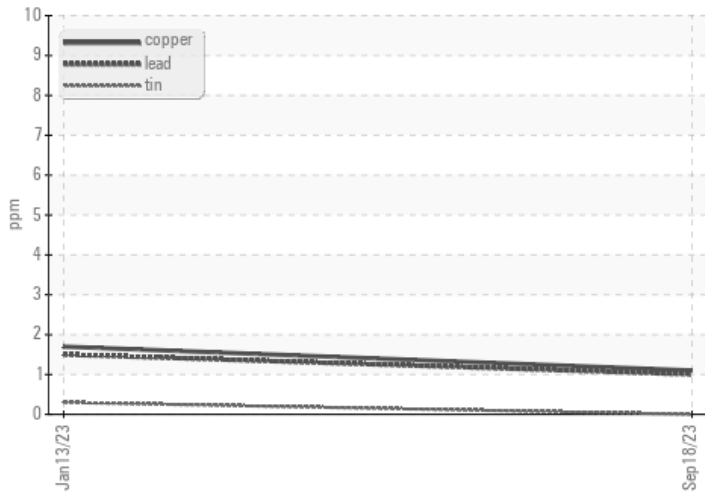


GRAPHS

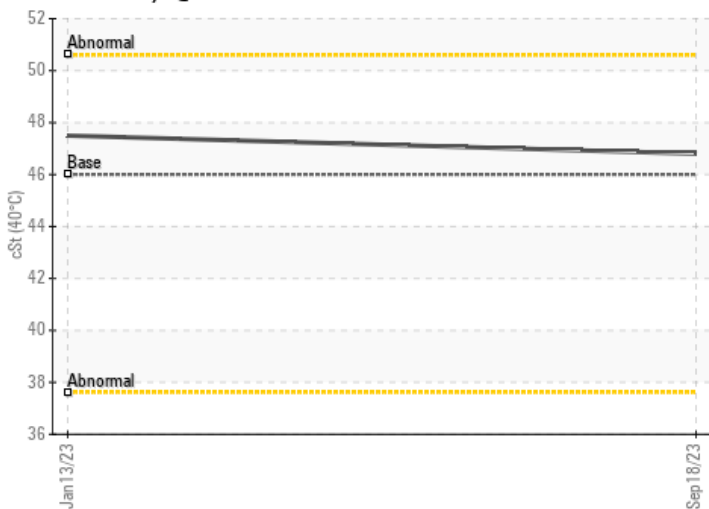
Ferrous Alloys



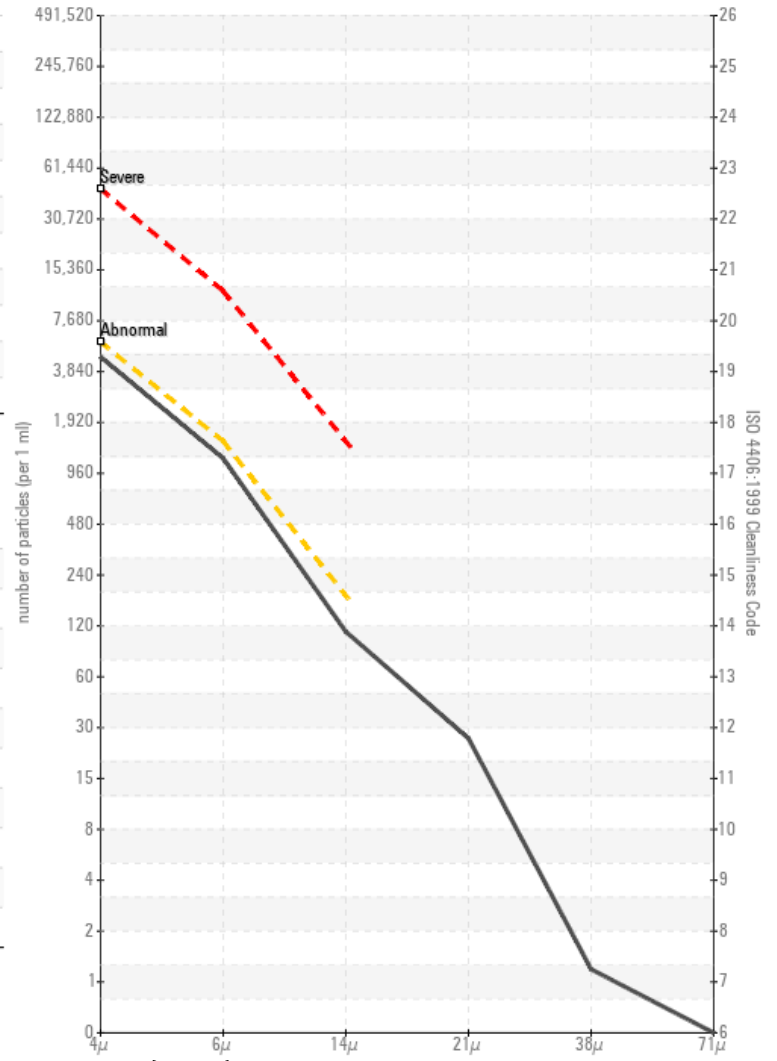
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

