



CONSTRUCTION EQUIPMENT

SWA411421 COASTAL VOLVO L120H 632589 - HYDRAULIC SYSTEM



Sample No: VCP431656
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA411421 COASTAL



SAMPLE INFORMATION

Sample Number	VCP431656	VCP433831	VCP365905	---
Sample Date	10 Nov 2023	18 Sep 2023	13 Jan 2023	---
Machine Hours	10572	10144	8129	---
Oil Hours	0	0	0	---
Oil Changed	Not Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	41.9	46.8	47.5	---
Acid Number (AN)	mg KOH/g	0.49	0.54	0.45	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 135735	4092	1045	---
Particles >6µm		▲ 48623	1032	121	---
Particles >14µm		▲ 4335	98	11	---
ISO 4406:1999 (c)		24/23/19	19/17/14	17/14/11	---
Silicon	ppm	7	4	3	---
Sodium	ppm	1	<1	0	---
Potassium	ppm	0	1	1	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	7	11	---
Copper	ppm	▲ 61	1	2	---
Lead	ppm	<1	1	2	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	2	3	---
Molybdenum	ppm	0	2	2	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	48	481	499	---
Magnesium	ppm	0	14	9	---
Zinc	ppm	408	523	492	---
Phosphorus	ppm	332	412	399	---
Barium	ppm	0	0	1	---
Boron	ppm	0	2	2	---

Depot: VOLVO0095
Unique No: 10751451
Signed: Don Baldrige
Report Date: 22 Nov 2023

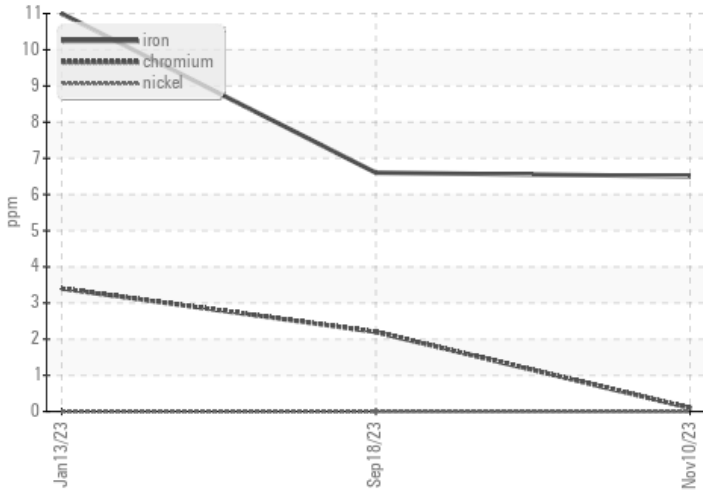


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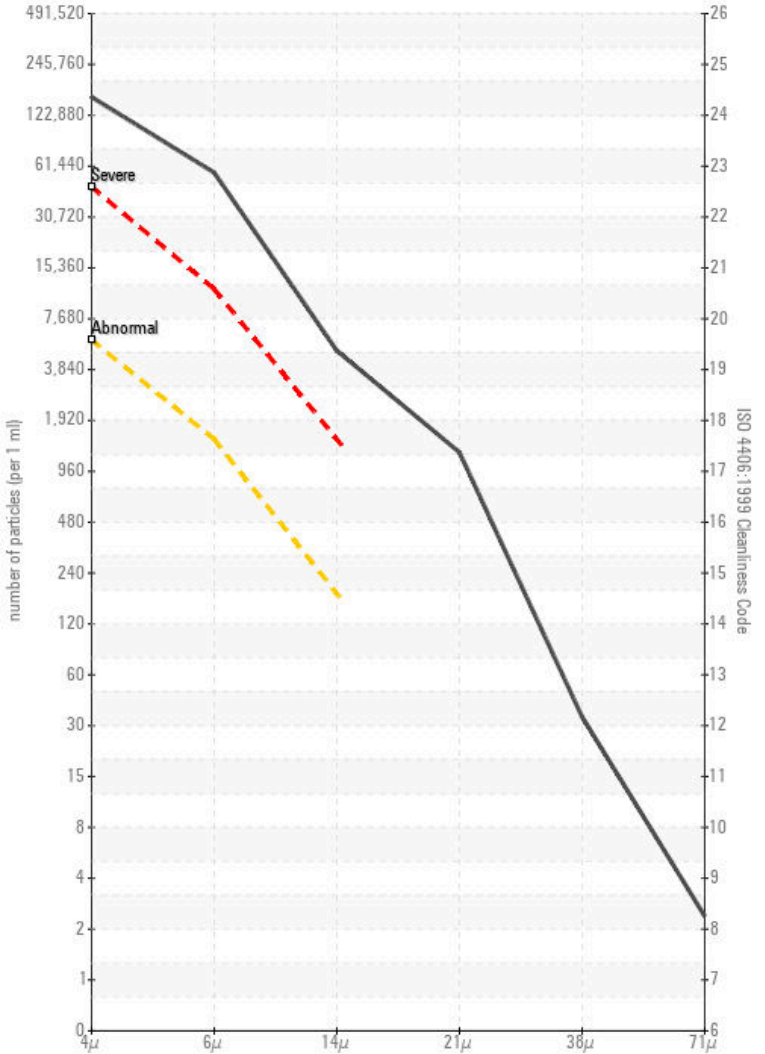


VOLVO GRAPHS

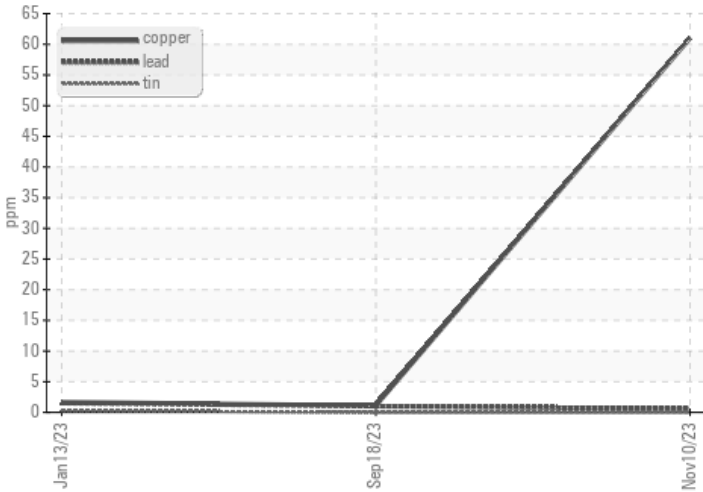
Ferrous Alloys



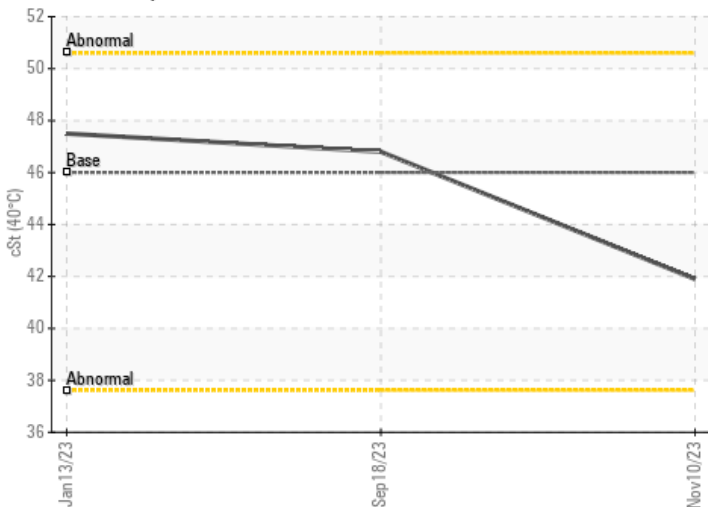
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

