



CONSTRUCTION EQUIPMENT

SPM647543-10 VOLVO A45G 352374 - HYDRAULIC SYSTEM



Sample No: VCP436131
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM647543-10



ALTA EQUIPMENT COMPANY
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SAMPLE INFORMATION

Sample Number	VCP436131	VCP345993	VCP340532	---
Sample Date	06 Jan 2024	02 Feb 2022	09 Dec 2021	---
Machine Hours	4085	2250	2247	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Not Changd	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	43.9	42.0	42.0	---
Acid Number (AN)	mg KOH/g	0.42	0.35	0.400	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		2377	930	1581	---
Particles >6µm		444	177	453	---
Particles >14µm		27	17	43	---
ISO 4406:1999 (c)		18/16/12	17/15/11	18/16/13	---
Silicon	ppm	3	5	4	---
Sodium	ppm	<1	0	1	---
Potassium	ppm	0	0	0	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	92	156	48	---
Magnesium	ppm	7	4	<1	---
Zinc	ppm	436	413	416	---
Phosphorus	ppm	346	371	324	---
Barium	ppm	0	0	0	---
Boron	ppm	0	3	<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.

Depot: VOLVO0092
Unique No: 10822551
Signed: Wes Davis
Report Date: 11 Jan 2024

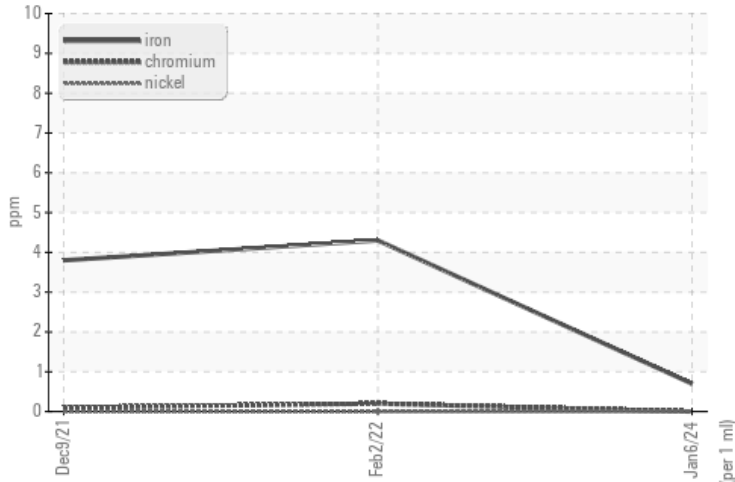


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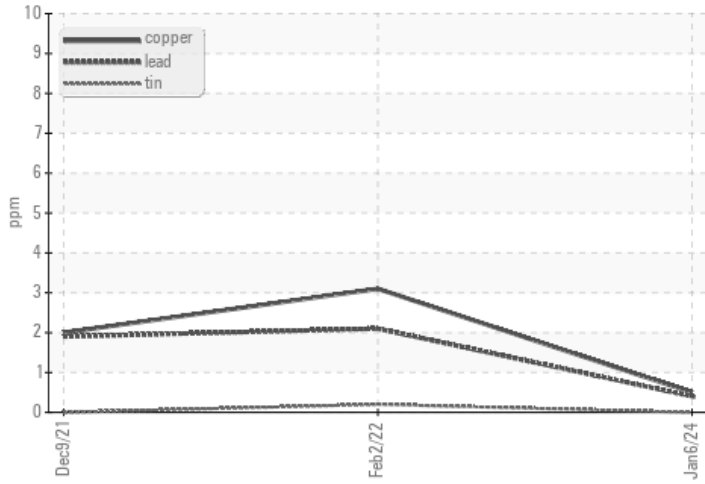


VOLVO GRAPHS

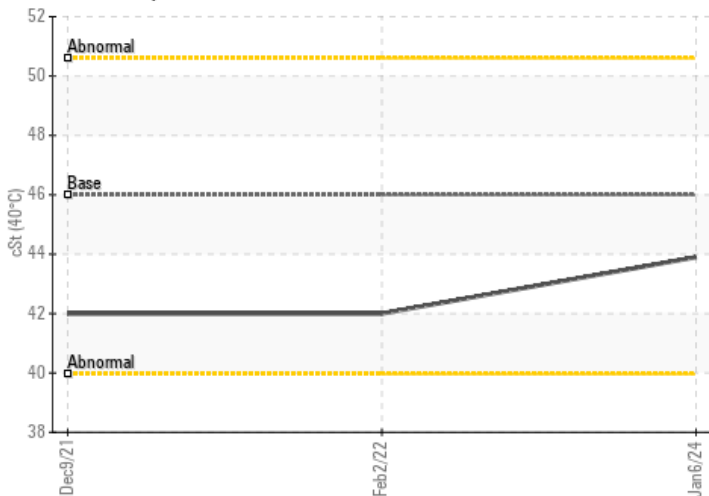
Ferrous Alloys



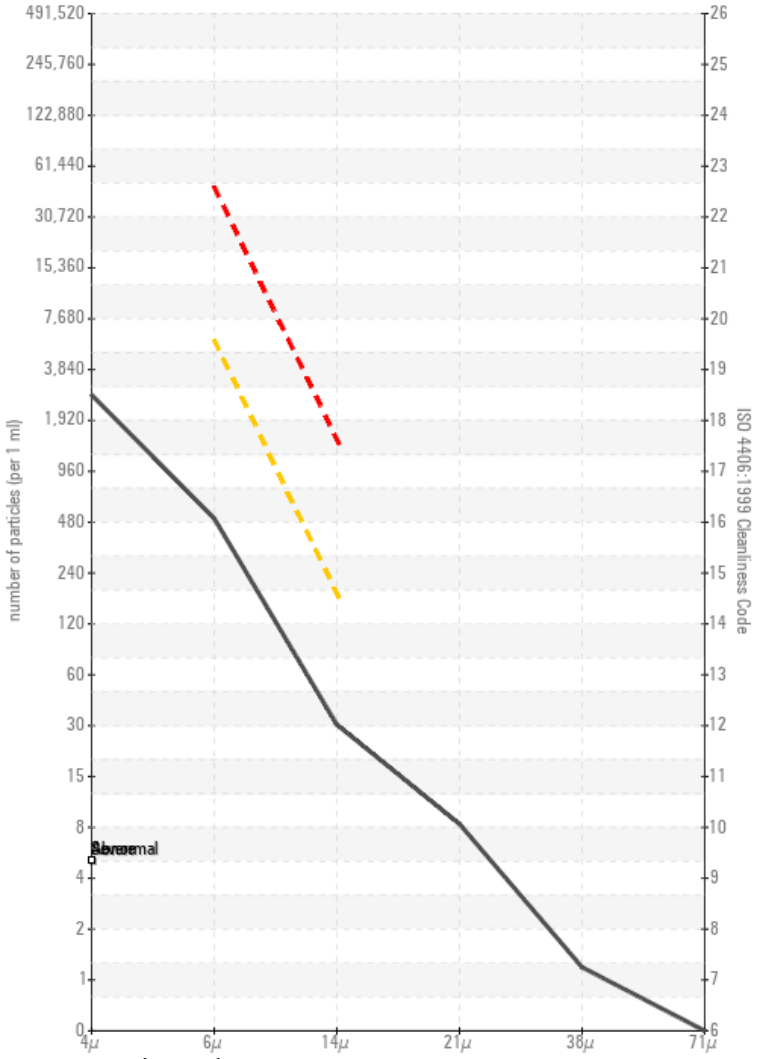
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

