



CONSTRUCTION EQUIPMENT

659887 APTIM VOLVO A35G 340139 - HYDRAULIC SYSTEM



Sample No: VCP452435
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 659887 APTIM



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SAMPLE INFORMATION

Sample Number	VCP452435	VCP424445	VCP393404	---
Sample Date	11 Jan 2024	23 May 2023	09 Feb 2023	---
Machine Hours	12883	11970	11400	---
Oil Hours	1000	4000	3000	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	42.6	41.0	41.1	---
Acid Number (AN)	mg KOH/g	0.50	0.94	0.74	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		16577	11100	2795	---
Particles >6µm		4930	2679	788	---
Particles >14µm		239	153	105	---
ISO 4406:1999 (c)		21/19/15	21/19/14	19/17/14	---
Silicon	ppm	4	6	7	---
Sodium	ppm	4	0	0	---
Potassium	ppm	2	1	<1	---



WEAR METALS

Iron	ppm	5	12	13	---
Copper	ppm	12	24	24	---
Lead	ppm	3	4	4	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	289	537	507	---
Magnesium	ppm	15	24	21	---
Zinc	ppm	510	620	601	---
Phosphorus	ppm	408	478	466	---
Barium	ppm	0	0	0	---
Boron	ppm	1	4	2	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10886445
Signed: Wes Davis
Report Date: 20 Feb 2024

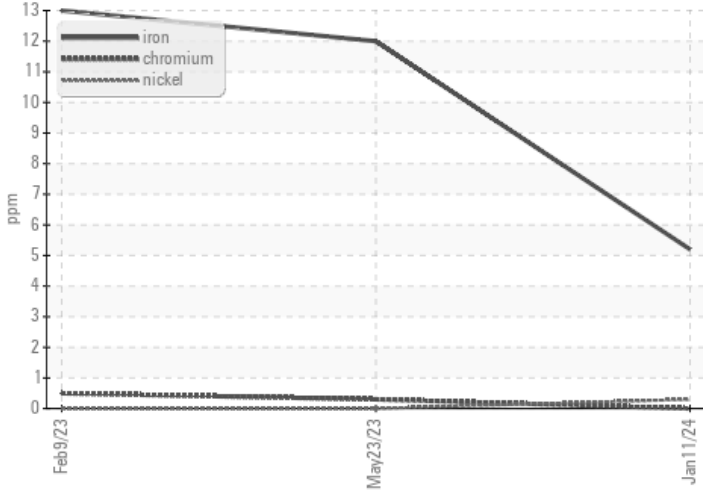


CONSTRUCTION EQUIPMENT

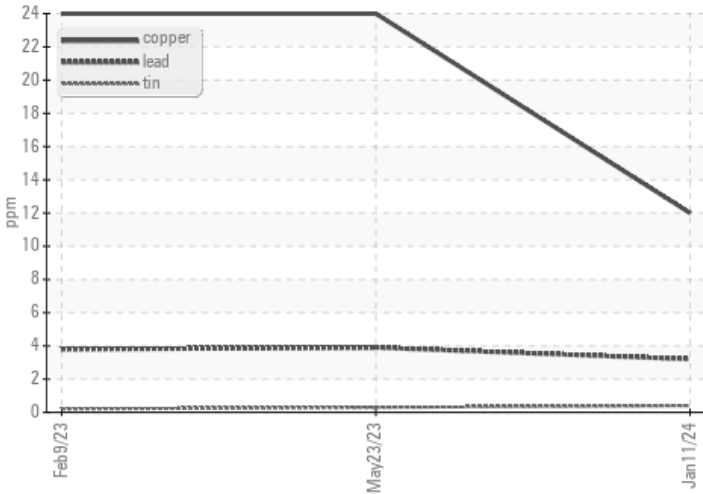


GRAPHS

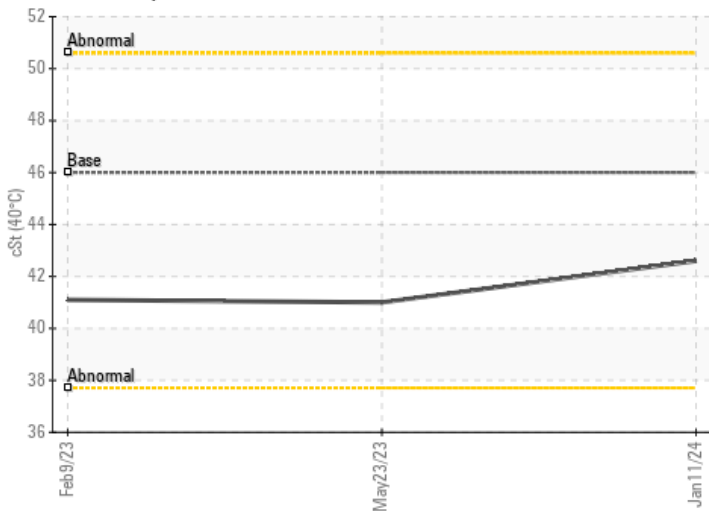
Ferrous Alloys



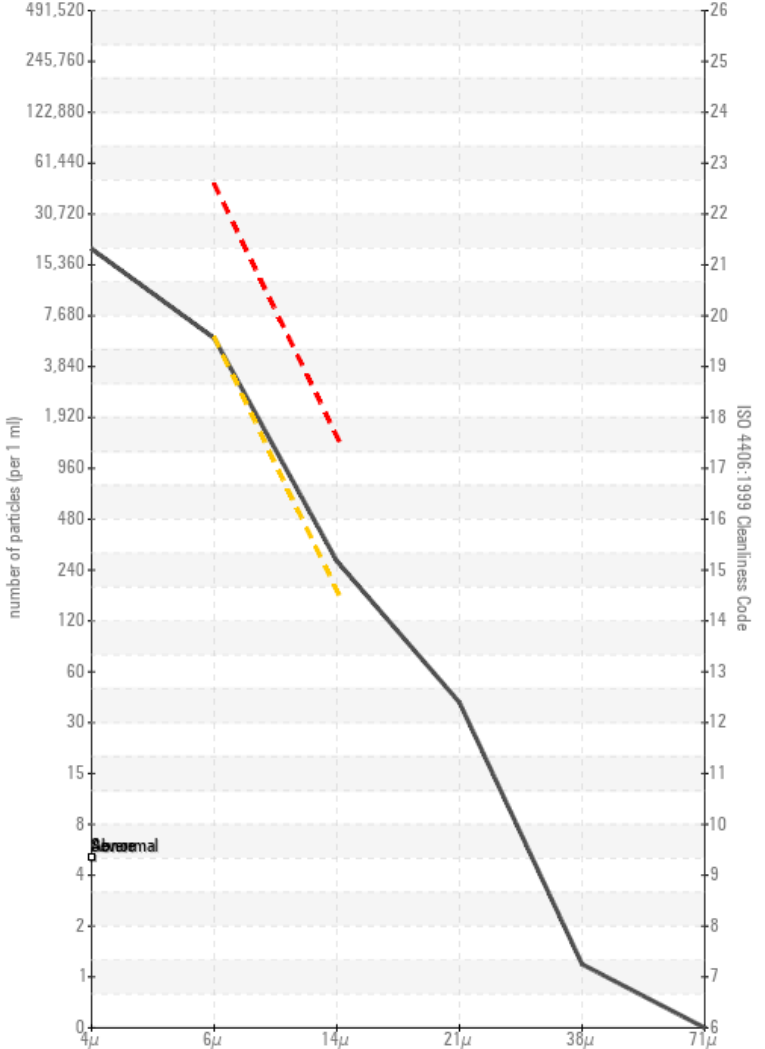
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

