



CONSTRUCTION EQUIPMENT

621032 APTIM VOLVO A35G 340083 - HYDRAULIC SYSTEM



Sample No: VCP432134
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 621032 APTIM



SAMPLE INFORMATION

Sample Number	VCP432134	VCP395731	---	---
Sample Date	24 Oct 2023	08 Feb 2023	---	---
Machine Hours	5943	5438	---	---
Oil Hours	1900	1000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.5	38.9	---	---
Acid Number (AN)	mg KOH/g	0.25	0.42	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3983	5973	---	---
Particles >6µm		1324	1499	---	---
Particles >14µm		145	115	---	---
ISO 4406:1999 (c)		19/18/14	20/18/14	---	---
Silicon	ppm	4	9	---	---
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	9	21	---	---
Copper	ppm	5	9	---	---
Lead	ppm	2	6	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	2	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	112	89	---	---
Magnesium	ppm	5	5	---	---
Zinc	ppm	432	437	---	---
Phosphorus	ppm	363	325	---	---
Barium	ppm	5	0	---	---
Boron	ppm	1	0	---	---

Depot: VOLVO0093
Unique No: 10753103
Signed: Don Baldrige
Report Date: 23 Nov 2023

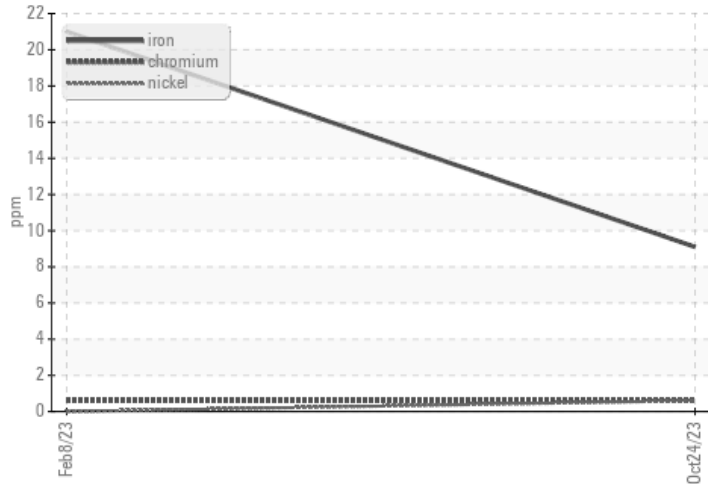


CONSTRUCTION EQUIPMENT

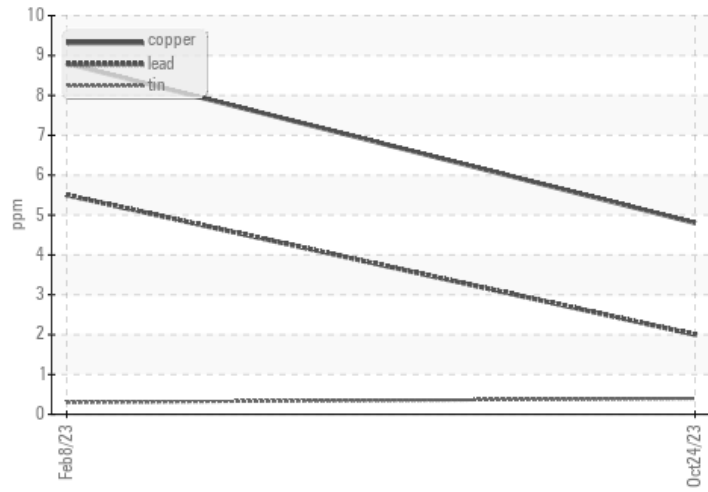


VOLVO GRAPHS

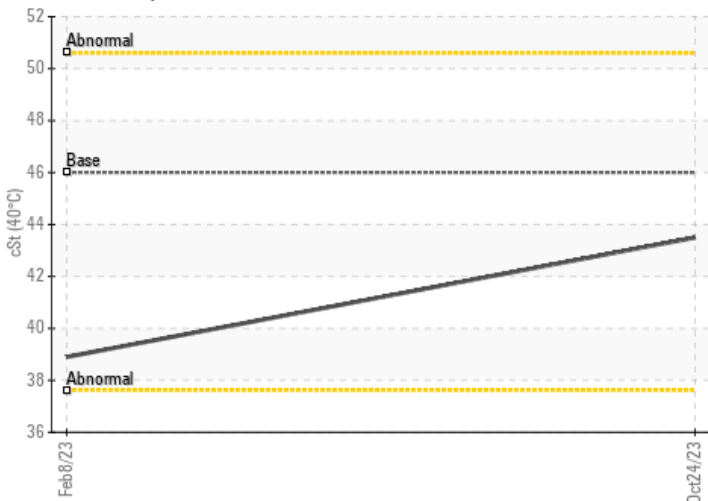
Ferrous Alloys



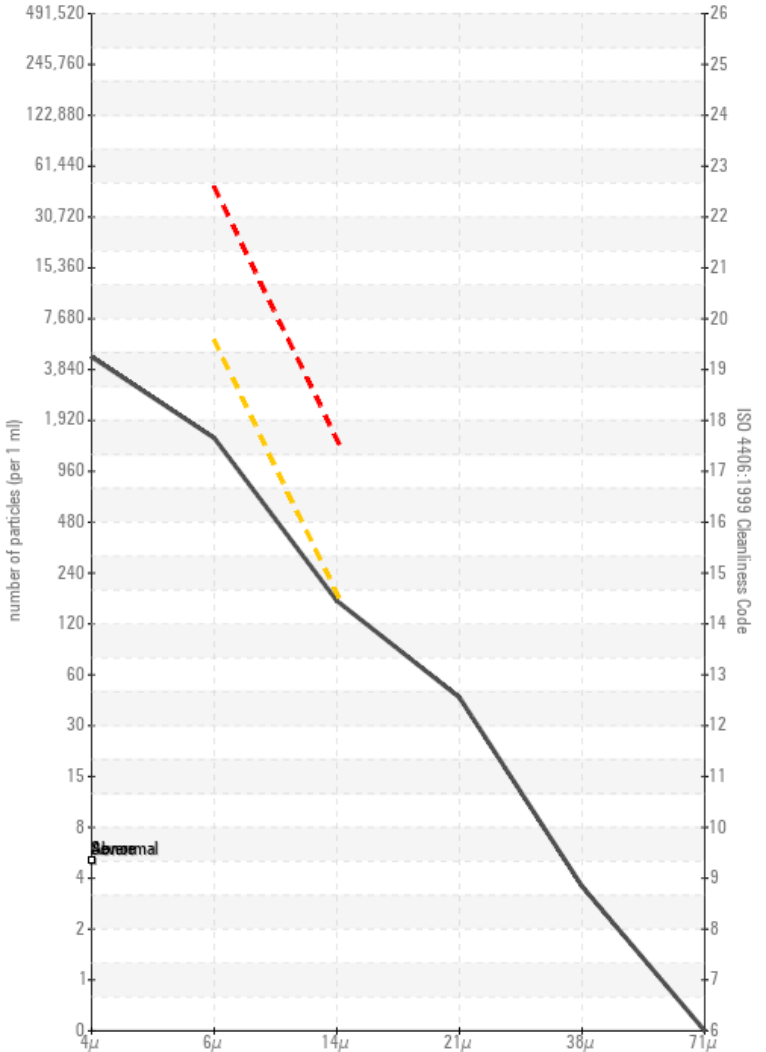
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

