



CONSTRUCTION EQUIPMENT

VOLVO A45G 35323 - HYDRAULIC SYSTEM



Sample No: VCP436765
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP436765	VCP437714	---	---
Sample Date	03 May 2024	12 Apr 2024	---	---
Machine Hours	2406	2288	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.9	43.3	---	---
Acid Number (AN)	mg KOH/g	0.33	0.38	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1282	---	---	---
Particles >6µm		263	---	---	---
Particles >14µm		12	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	5	5	---	---
Sodium	ppm	1	2	---	---
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	3	5	---	---
Copper	ppm	2	3	---	---
Lead	ppm	1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	67	90	---	---
Magnesium	ppm	<1	2	---	---
Zinc	ppm	443	438	---	---
Phosphorus	ppm	337	351	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 11015928
Signed: Wes Davis
Report Date: 07 May 2024

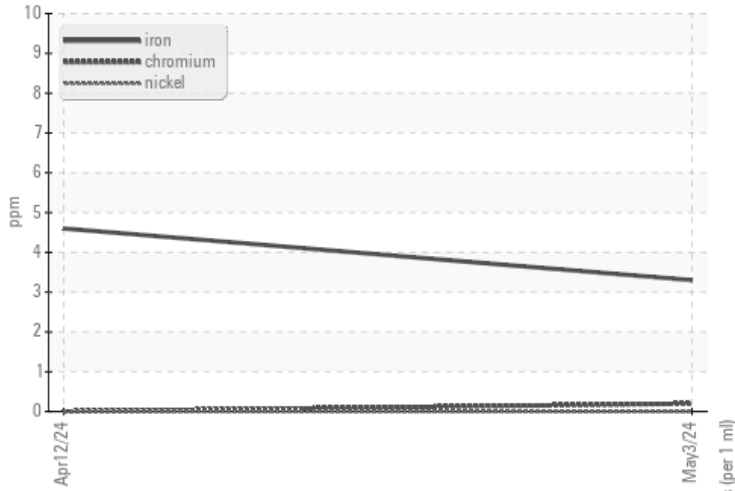


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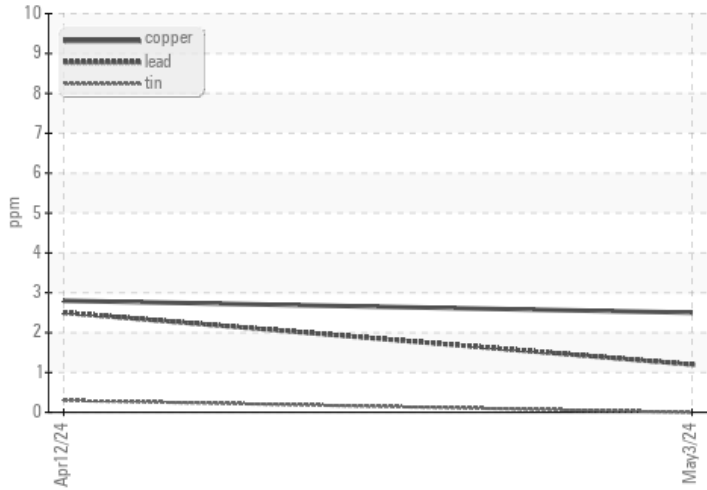


VOLVO GRAPHS

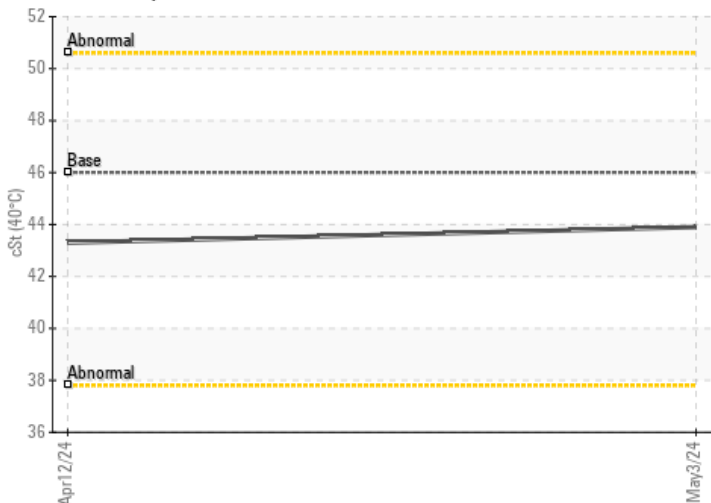
Ferrous Alloys



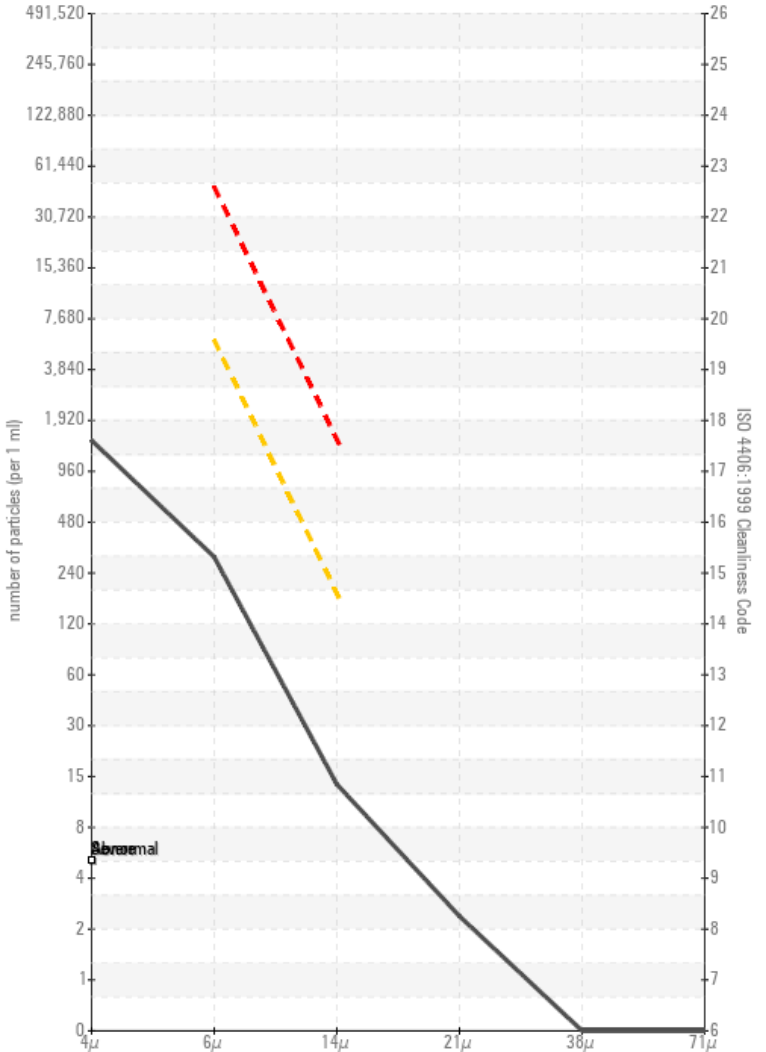
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

