



CONSTRUCTION EQUIPMENT

SWA553574-10 VOLVO A40G 353267 - HYDRAULIC SYSTEM



Sample No: VCP436848
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA553574-10



SAMPLE INFORMATION

Sample Number	VCP436848	VCP445605	---	---
Sample Date	04 May 2024	25 Apr 2024	---	---
Machine Hours	2599	2215	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.1	45.3	---	---
Acid Number (AN)	mg KOH/g	0.37	0.43	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2195	14541	---	---
Particles >6µm		244	3949	---	---
Particles >14µm		23	624	---	---
ISO 4406:1999 (c)		18/15/12	21/19/16	---	---
Silicon	ppm	11	4	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	1	2	---	---

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



ADDITIVES

Calcium	ppm	67	115	---	---
Magnesium	ppm	2	6	---	---
Zinc	ppm	432	416	---	---
Phosphorus	ppm	349	326	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0090
Unique No: 11017153
Signed: Wes Davis
Report Date: 08 May 2024

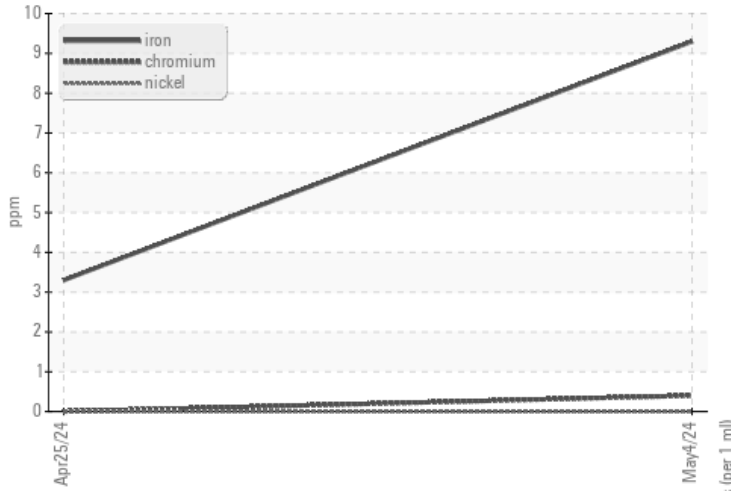


CONSTRUCTION EQUIPMENT

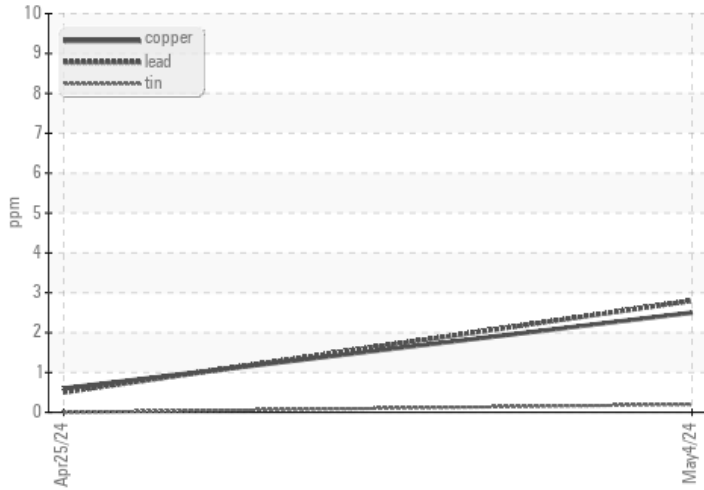


GRAPHS

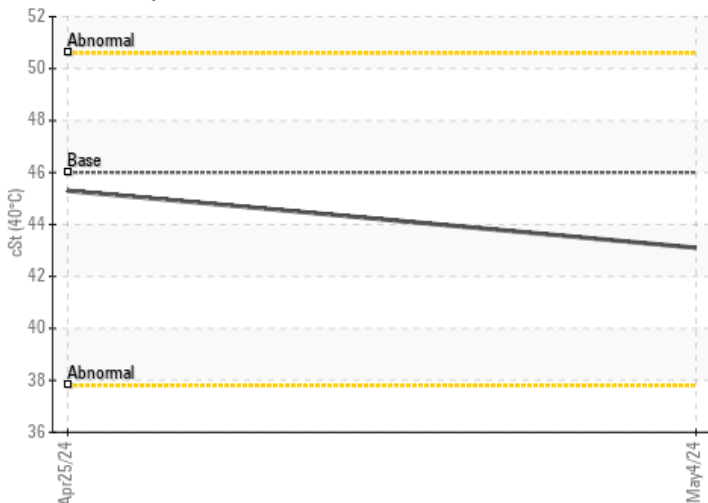
Ferrous Alloys



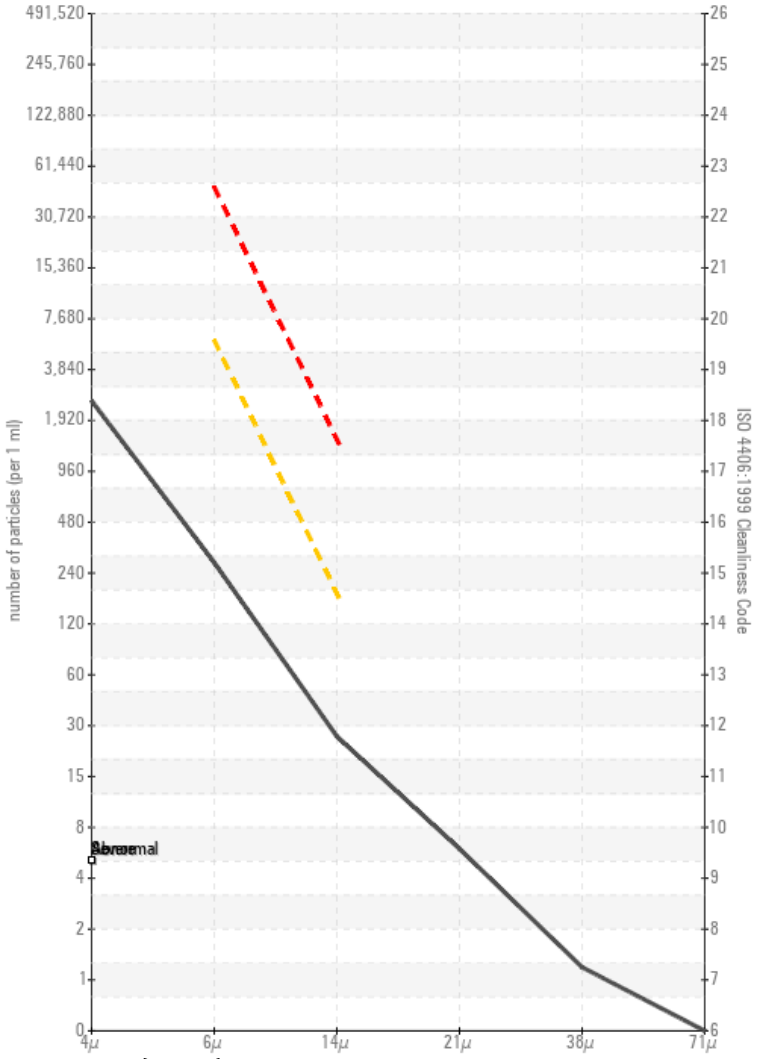
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

