



CONSTRUCTION EQUIPMENT

VOLVO A40G 342583 - HYDRAULIC SYSTEM



Sample No: VCP0007883
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0007883	VCP356989	VCP311422	---
Sample Date	02 May 2024	24 Mar 2022	19 May 2021	---
Machine Hours	6881	4585	3820	---
Oil Hours	6881	0	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	NORMAL	ABNORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	48.5	42.4	41.3	---
Acid Number (AN)	mg KOH/g	0.40	0.37	0.418	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		669	11734	1503	---
Particles >6µm		139	4171	221	---
Particles >14µm		6	587	16	---
ISO 4406:1999 (c)		17/14/10	21/19/16	18/15/11	---
Silicon	ppm	0	5	6	---
Sodium	ppm	<1	0	1	---
Potassium	ppm	<1	<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	0	7	8	---
Copper	ppm	0	4	5	---
Lead	ppm	0	2	4	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	0	1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	53	79	62	---
Magnesium	ppm	0	8	2	---
Zinc	ppm	458	477	442	---
Phosphorus	ppm	341	348	315	---
Barium	ppm	0	0	0	---
Boron	ppm	0	<1	2	---

Depot: VOLVO0092
Unique No: 11015933
Signed: Wes Davis
Report Date: 09 May 2024

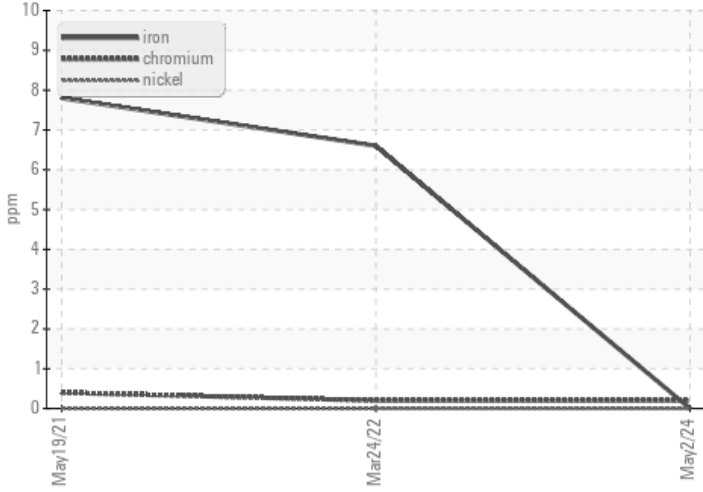


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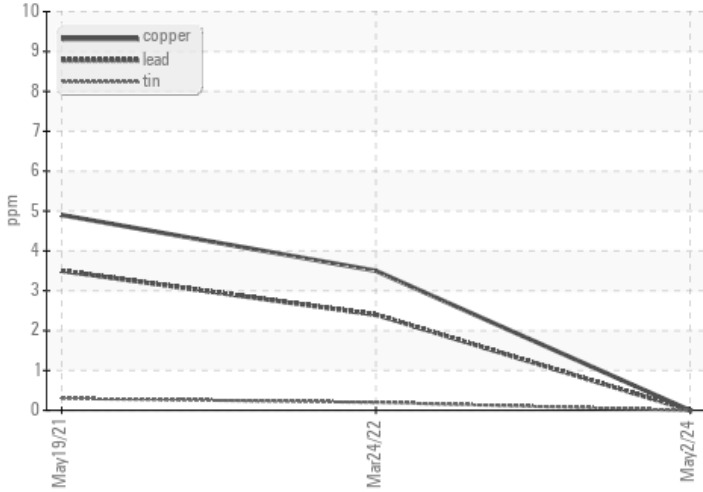


GRAPHS

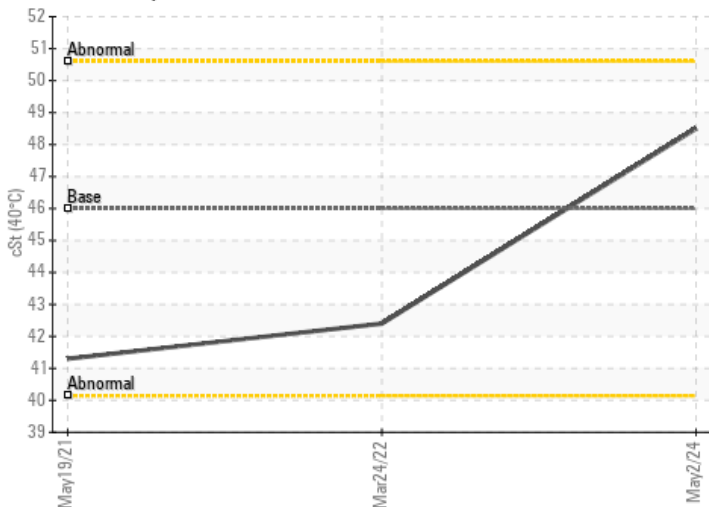
Ferrous Alloys



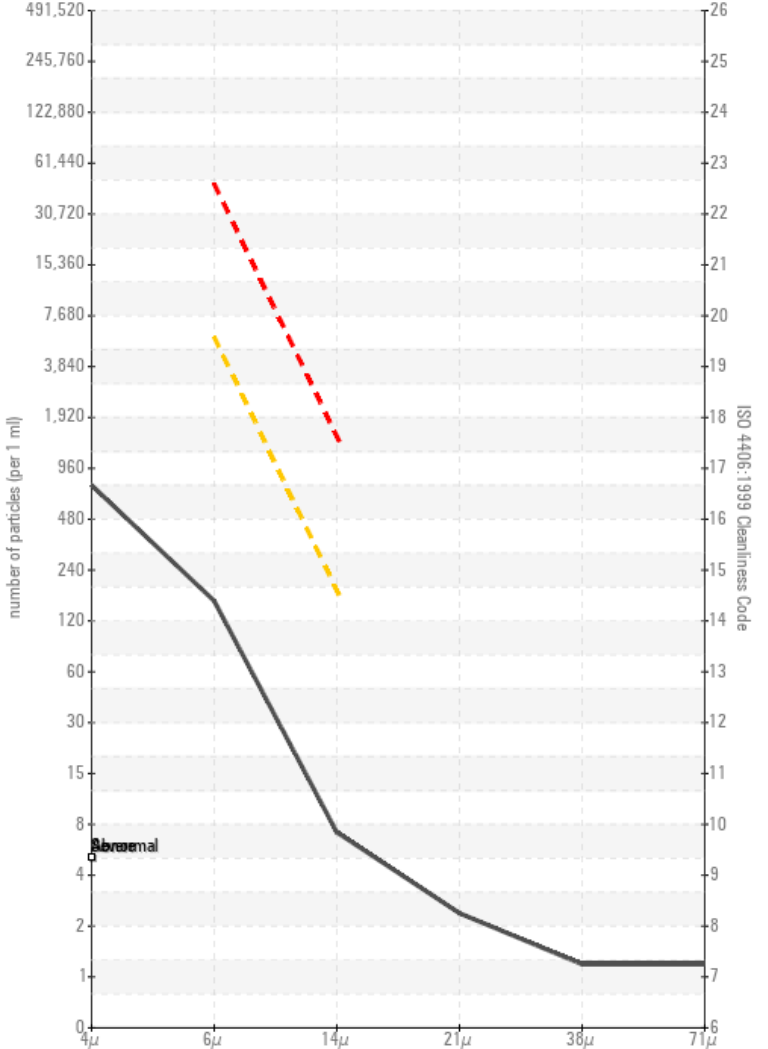
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

