



CONSTRUCTION EQUIPMENT

VFS VOLVO A40G 342632 - HYDRAULIC SYSTEM



Sample No: VCP440994
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: VFS



SAMPLE INFORMATION

Sample Number	VCP440994	VCP348936	---	---
Sample Date	29 Apr 2024	03 Feb 2022	---	---
Machine Hours	7835	6440	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

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 1350 NE LOOP 820
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 F: (817)626-8983



OIL CONDITION

Visc @ 40°C	cSt	41.9	39.5	---	---
Acid Number (AN)	mg KOH/g	0.39	0.35	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		2284	2623	---	---
Particles >6µm		258	628	---	---
Particles >14µm		20	57	---	---
ISO 4406:1999 (c)		18/15/11	19/16/13	---	---
Silicon	ppm	5	6	---	---
Sodium	ppm	0	3	---	---
Potassium	ppm	2	<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	6	12	---	---
Copper	ppm	3	4	---	---
Lead	ppm	2	3	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	46	86	---	---
Magnesium	ppm	33	1	---	---
Zinc	ppm	370	438	---	---
Phosphorus	ppm	307	349	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0081
Unique No: 11021452
Signed: Wes Davis
Report Date: 13 May 2024

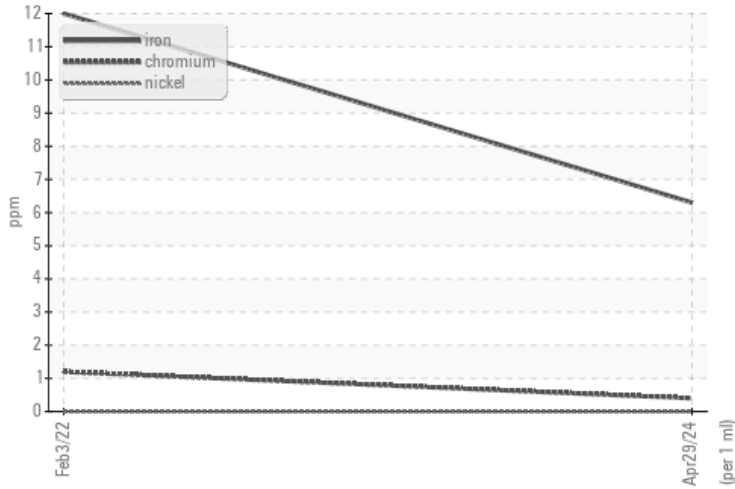


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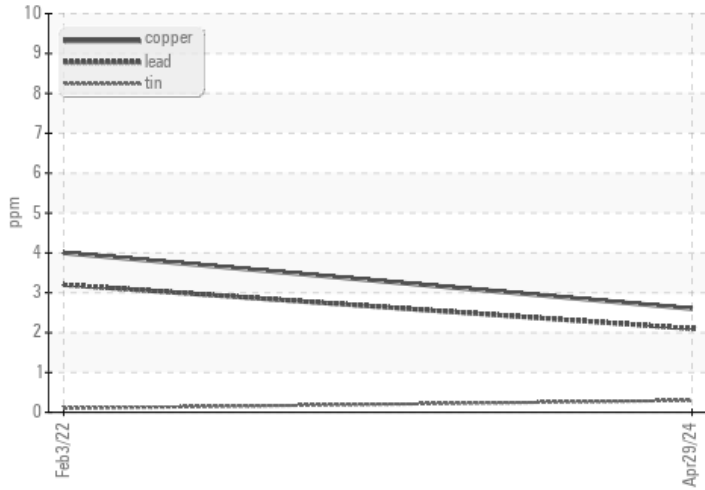


GRAPHS

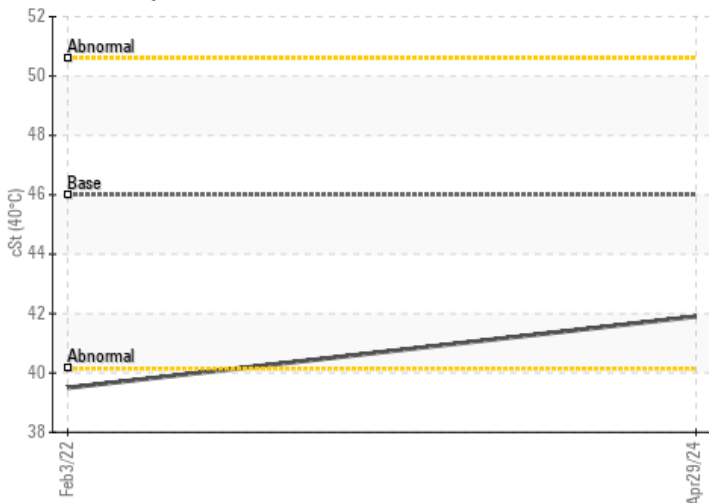
Ferrous Alloys



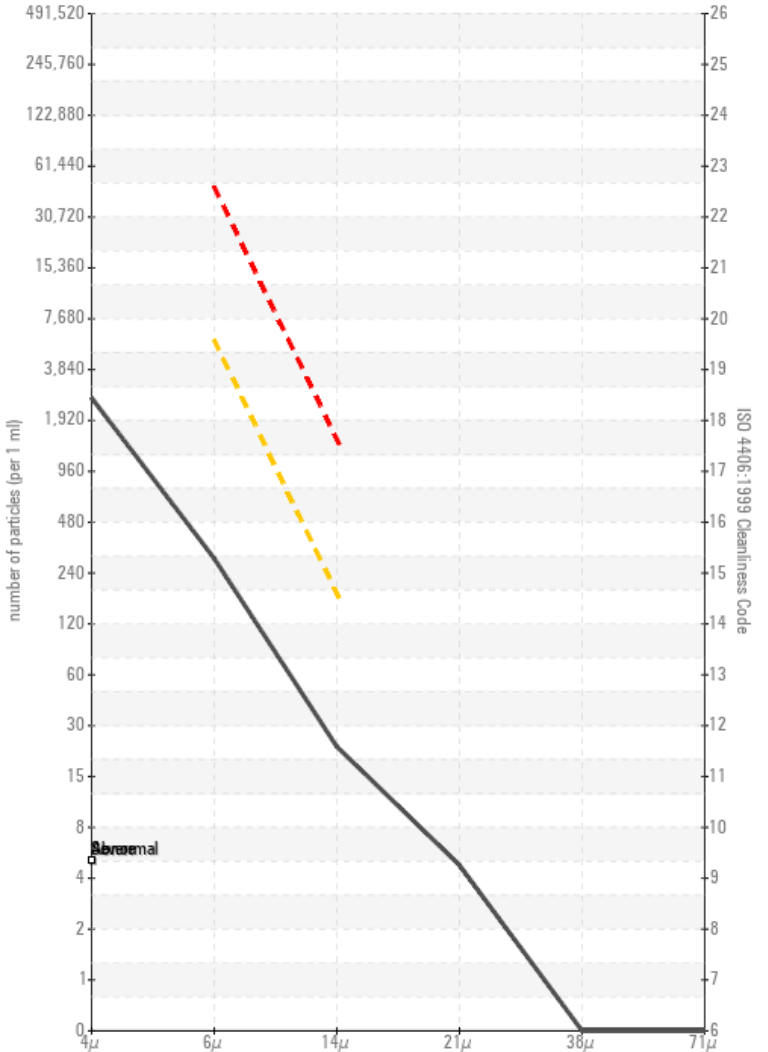
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

