



CONSTRUCTION EQUIPMENT

633743 PRIMORIS VOLVO A40G 352509 - HYDRAULIC SYSTEM



Sample No: VCP430500
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 633743 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP430500	VCP424804	VCP365216	---
Sample Date	16 Nov 2023	25 Apr 2023	16 Aug 2022	---
Machine Hours	5500	4282	3145	---
Oil Hours	1500	4282	500	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.9	43.8	43.9	---
Acid Number (AN)	mg KOH/g	0.23	0.35	0.36	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		3200	4024	20739	---
Particles >6µm		572	1138	3491	---
Particles >14µm		28	77	85	---
ISO 4406:1999 (c)		19/16/12	19/17/13	22/19/14	---
Silicon	ppm	2	8	6	---
Sodium	ppm	<1	2	<1	---
Potassium	ppm	<1	<1	0	---

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	4	10	8	---
Copper	ppm	<1	2	7	---
Lead	ppm	<1	5	4	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	1	2	1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	2	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	87	68	120	---
Magnesium	ppm	4	12	2	---
Zinc	ppm	419	441	435	---
Phosphorus	ppm	345	343	348	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0093
Unique No: 10833980
Signed: Wes Davis
Report Date: 18 Jan 2024

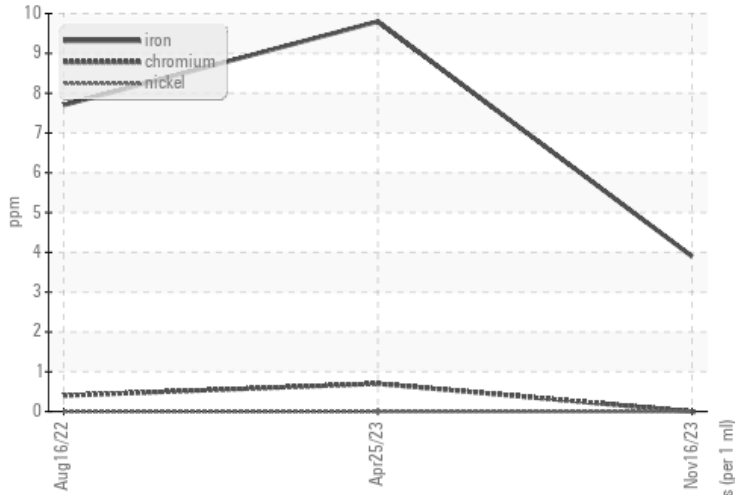


CONSTRUCTION EQUIPMENT

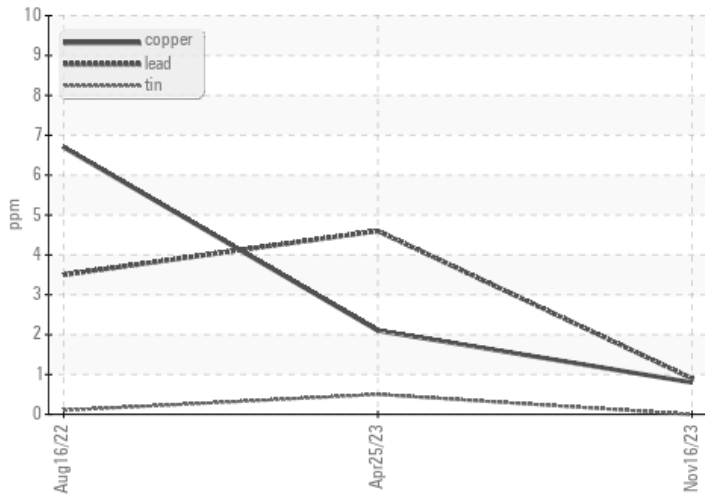


VOLVO GRAPHS

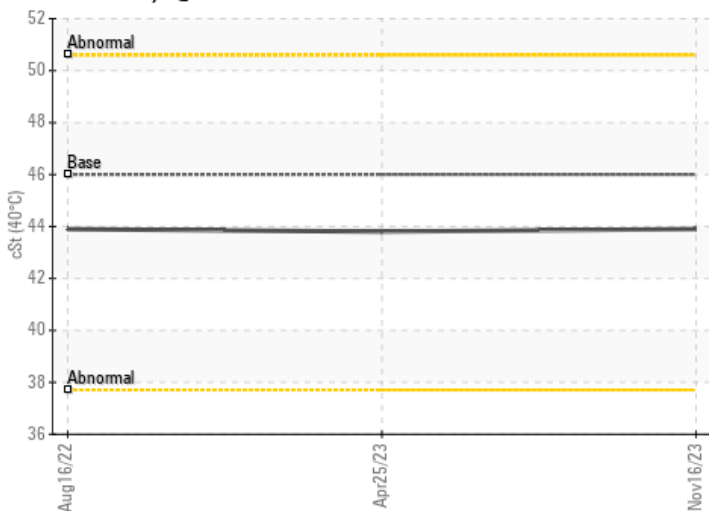
Ferrous Alloys



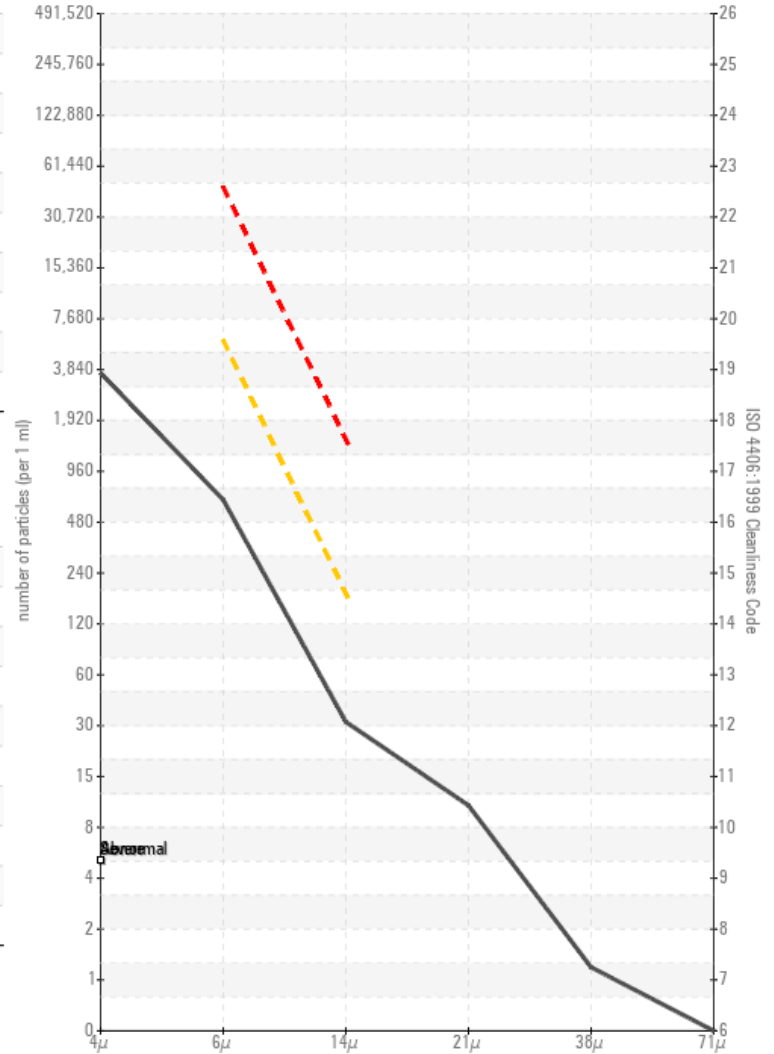
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

