



CONSTRUCTION EQUIPMENT

700717 RENTALS VOLVO A25G 752650 - HYDRAULIC SYSTEM



Sample No: VCP446344
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 700717 RENTALS



SAMPLE INFORMATION

Sample Number	VCP446344	VCP431588	VCP420087	---
Sample Date	04 Apr 2024	28 Nov 2023	23 May 2023	---
Machine Hours	2072	1460	543	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	52.0	52.9	44.1	---
Acid Number (AN)	mg KOH/g	1.047	0.82	0.45	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4858	7908	25525	---
Particles >6µm		1290	1198	6243	---
Particles >14µm		116	73	285	---
ISO 4406:1999 (c)		19/17/14	20/17/13	22/20/15	---
Silicon	ppm	4	5	2	---
Sodium	ppm	<1	0	1	---
Potassium	ppm	0	0	1	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	3	2	2	---
Copper	ppm	<1	0	3	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	29	31	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	553	568	184	---
Magnesium	ppm	258	262	2	---
Zinc	ppm	549	550	473	---
Phosphorus	ppm	501	489	368	---
Barium	ppm	0	0	0	---
Boron	ppm	30	33	2	---

Depot: VOLVO0096
Unique No: 10968960
Signed: Don Baldrige
Report Date: 12 Apr 2024

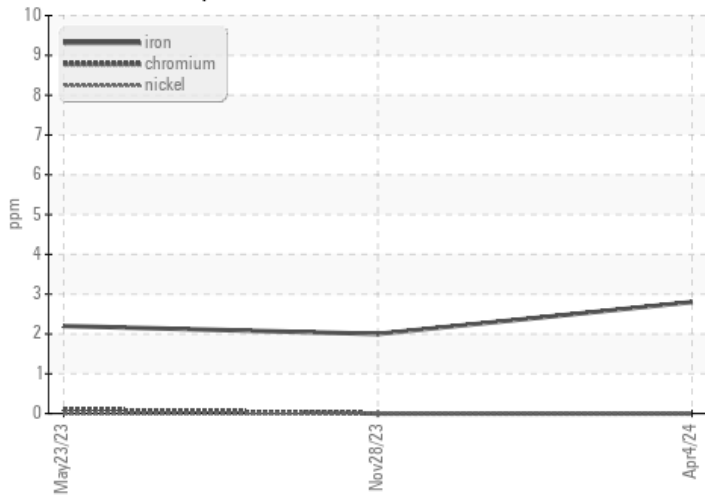


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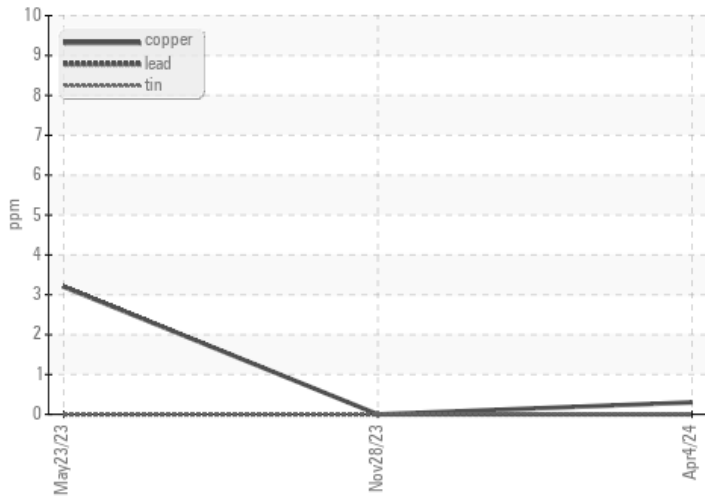


GRAPHS

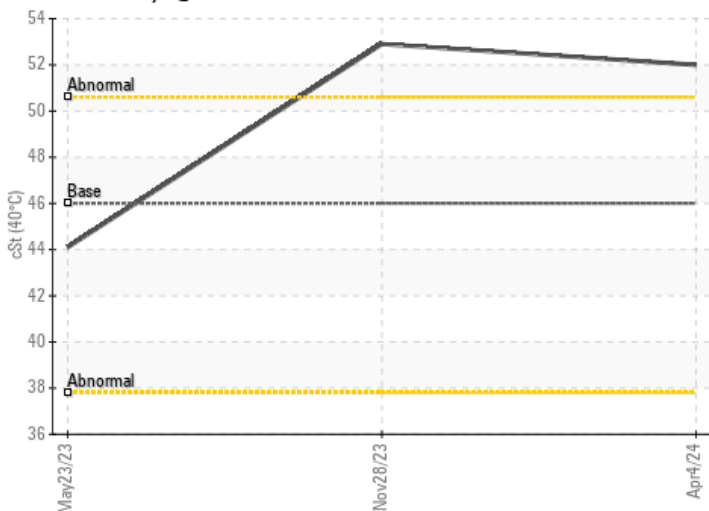
Ferrous Alloys



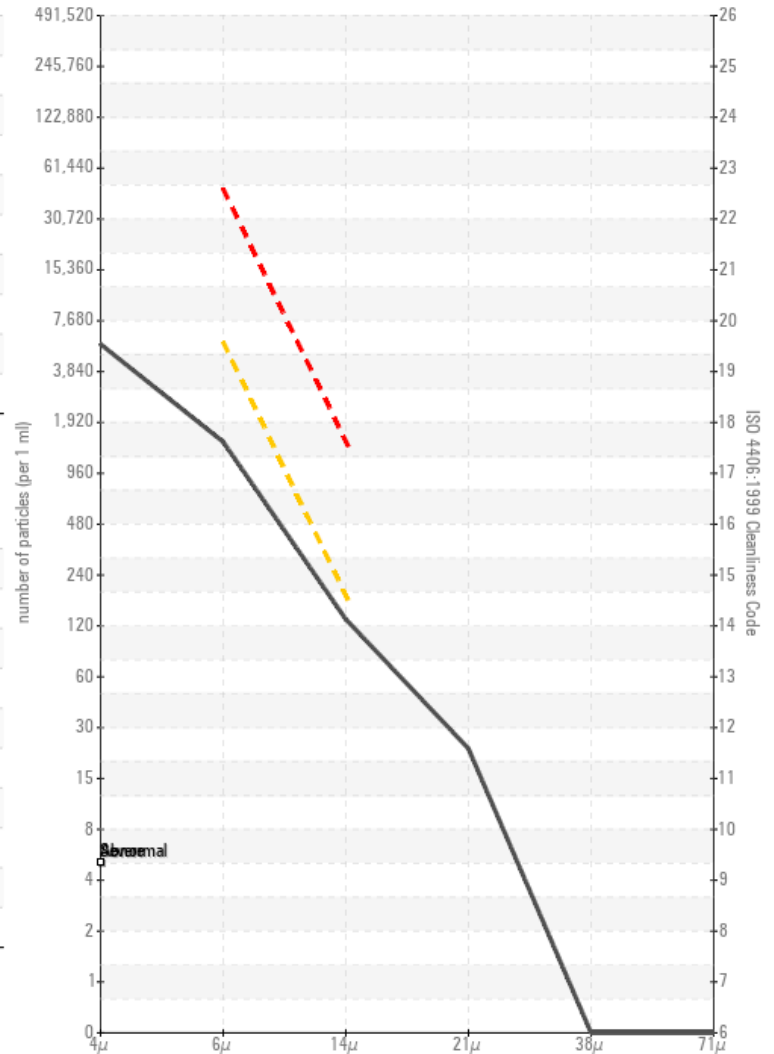
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

