



CONSTRUCTION EQUIPMENT

634633 B&C VOLVO A25G 752650 - HYDRAULIC SYSTEM



Sample No: VCP431588
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 634633 B&C



SAMPLE INFORMATION

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

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OIL CONDITION

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



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		7908	25525	---	---
Particles >6µm		1198	6243	---	---
Particles >14µm		73	285	---	---
ISO 4406:1999 (c)		20/17/13	22/20/15	---	---
Silicon	ppm	5	2	---	---
Sodium	ppm	0	1	---	---
Potassium	ppm	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	2	2	---	---
Copper	ppm	0	3	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	31	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	568	184	---	---
Magnesium	ppm	262	2	---	---
Zinc	ppm	550	473	---	---
Phosphorus	ppm	489	368	---	---
Barium	ppm	0	0	---	---
Boron	ppm	33	2	---	---

Depot: VOLVO0096
Unique No: 10768145
Signed: Don Baldrige
Report Date: 06 Dec 2023

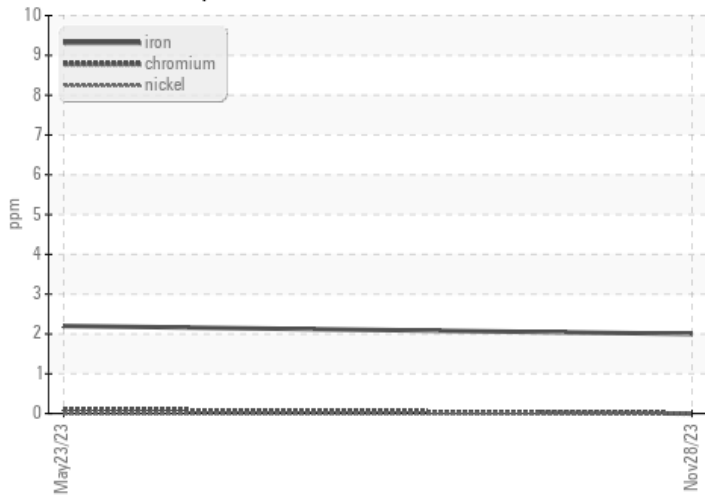


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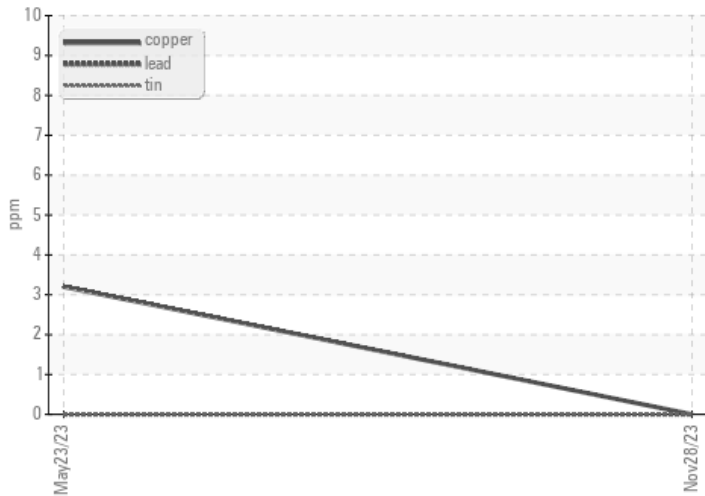


GRAPHS

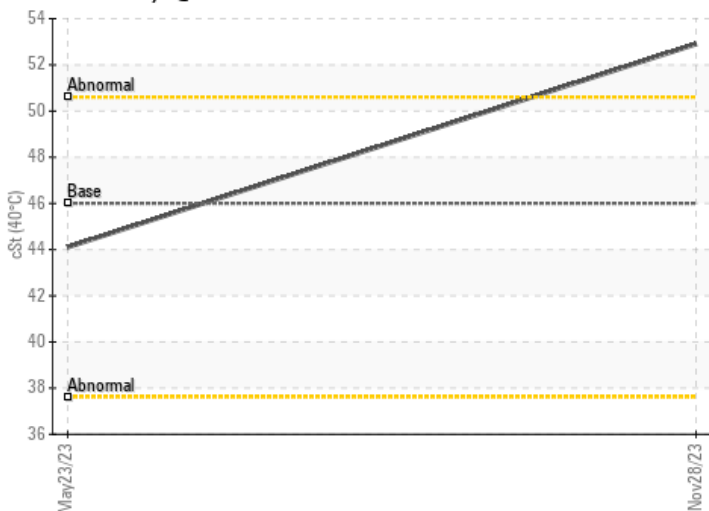
Ferrous Alloys



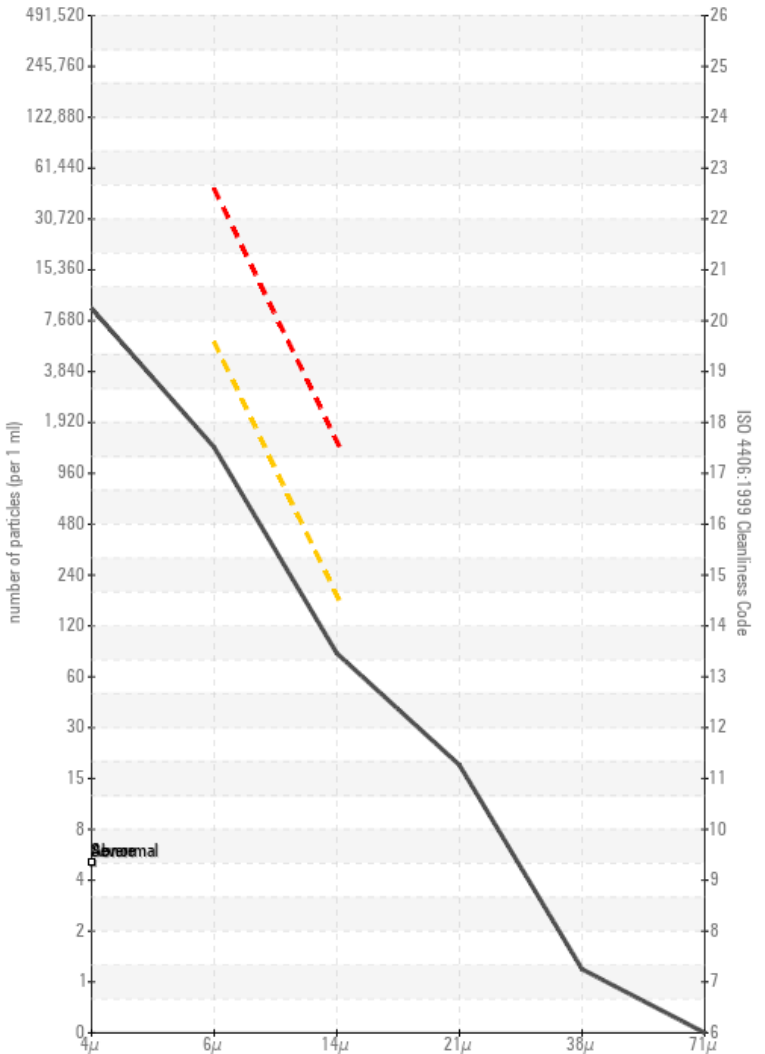
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

