



CONSTRUCTION EQUIPMENT

702804 ALTA RENTS VOLVO A25G 752747 - HYDRAULIC SYSTEM



Sample No: VCP454714
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 702804 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP454714	VCP431304	VCP412762	---
Sample Date	24 Apr 2024	16 Oct 2023	05 Aug 2023	---
Machine Hours	1555	823	518	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	43.4	45.5	44.6	---
Acid Number (AN)	mg KOH/g	0.41	0.40	0.45	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		6399	2222	1261	---
Particles >6µm		2194	413	363	---
Particles >14µm		347	32	41	---
ISO 4406:1999 (c)		20/18/16	18/16/12	17/16/13	---
Silicon	ppm	2	5	5	---
Sodium	ppm	<1	0	0	---
Potassium	ppm	0	1	<1	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

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



ADDITIVES

Calcium	ppm	69	56	55	---
Magnesium	ppm	0	<1	<1	---
Zinc	ppm	431	426	419	---
Phosphorus	ppm	340	342	323	---
Barium	ppm	0	3	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0096
Unique No: 11004995
Signed: Wes Davis
Report Date: 01 May 2024

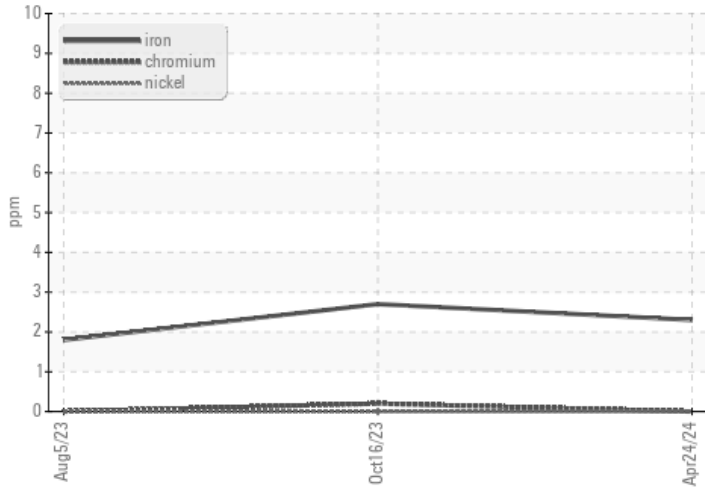


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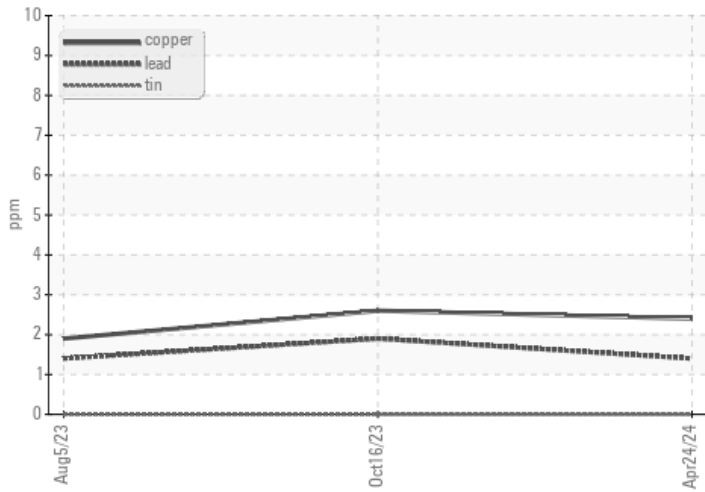


VOLVO GRAPHS

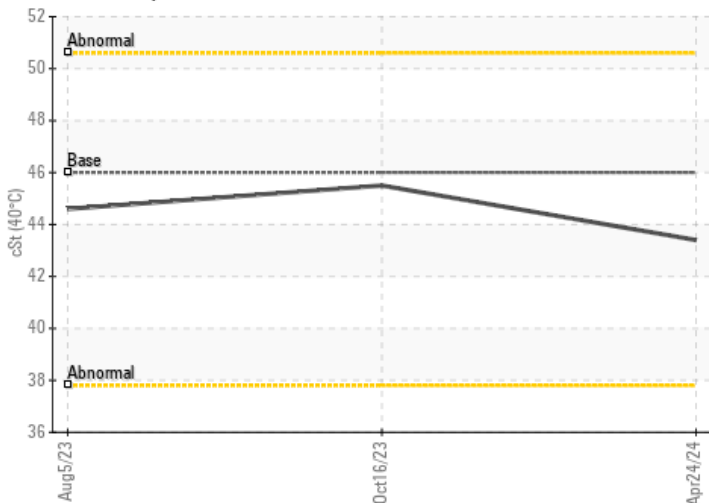
Ferrous Alloys



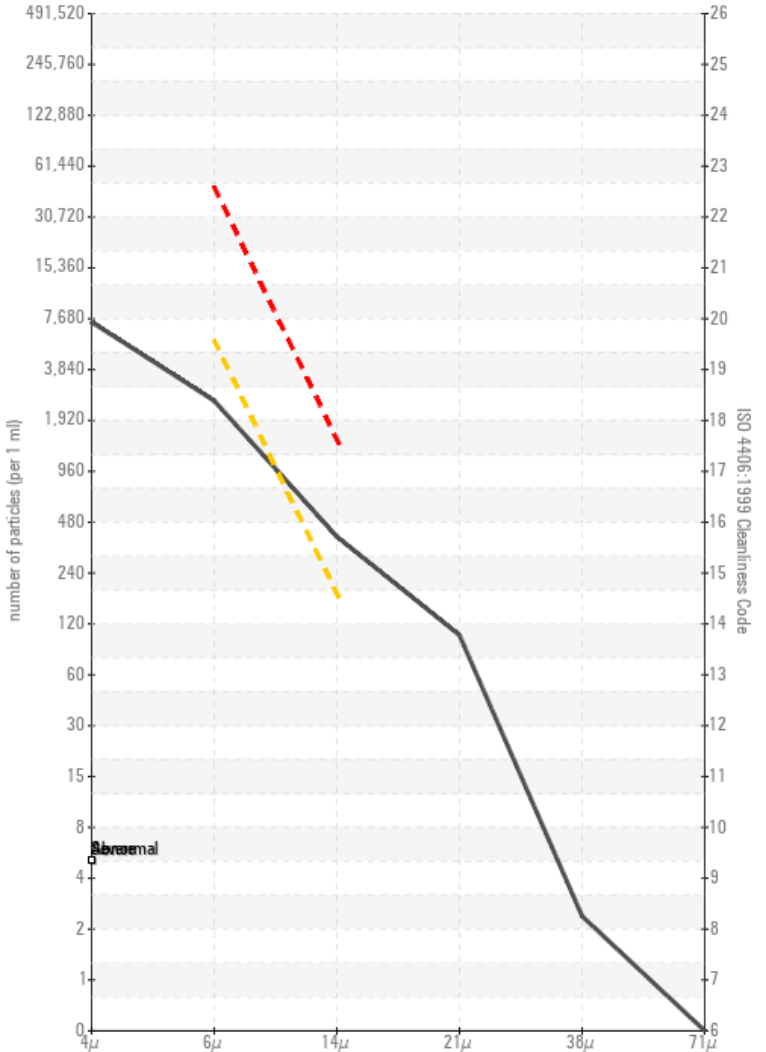
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

