



CONSTRUCTION EQUIPMENT

607424 APTIM VOLVO A30G 740210 - HYDRAULIC SYSTEM



Sample No: VCP429254
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 607424 APTIM



SAMPLE INFORMATION

Sample Number	VCP429254	VCP420408	---	---
Sample Date	13 Oct 2023	19 Apr 2023	---	---
Machine Hours	8468	7977	---	---
Oil Hours	4000	2000	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	46.8	44.1	---	---
Acid Number (AN)	mg KOH/g	0.39	0.42	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1974	8591	---	---
Particles >6µm		546	1784	---	---
Particles >14µm		63	114	---	---
ISO 4406:1999 (c)		18/16/13	20/18/14	---	---
Silicon	ppm	8	7	---	---
Sodium	ppm	0	7	---	---
Potassium	ppm	2	2	---	---

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	10	10	---	---
Copper	ppm	11	10	---	---
Lead	ppm	5	5	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	2	0	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	89	80	---	---
Magnesium	ppm	5	8	---	---
Zinc	ppm	454	462	---	---
Phosphorus	ppm	368	364	---	---
Barium	ppm	9	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10753094
Signed: Wes Davis
Report Date: 22 Nov 2023

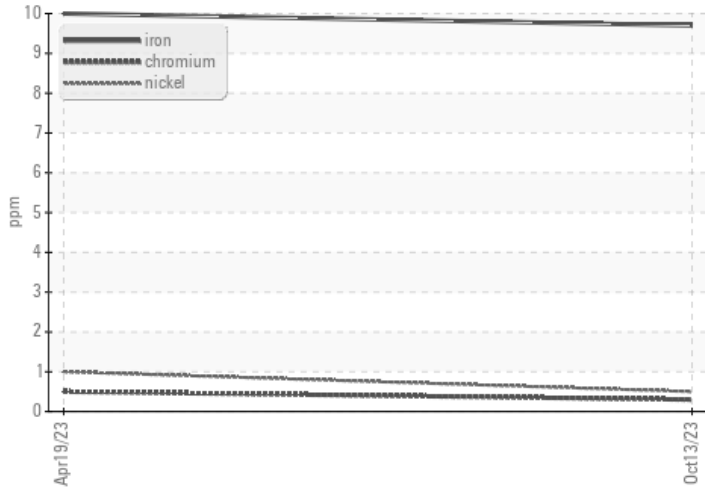


CONSTRUCTION EQUIPMENT

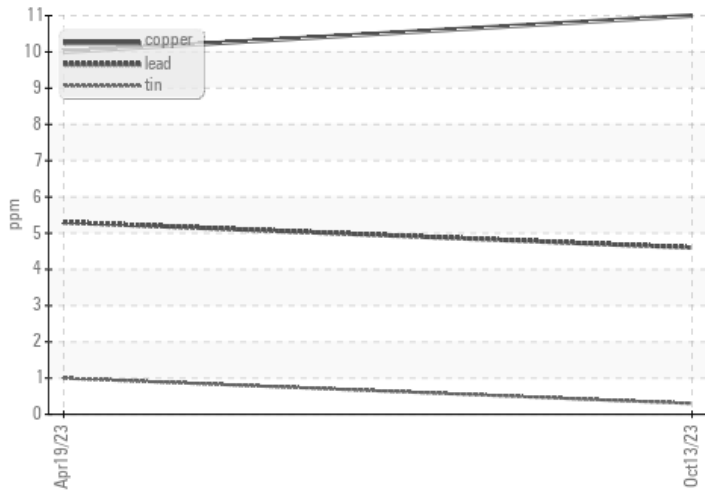


VOLVO GRAPHS

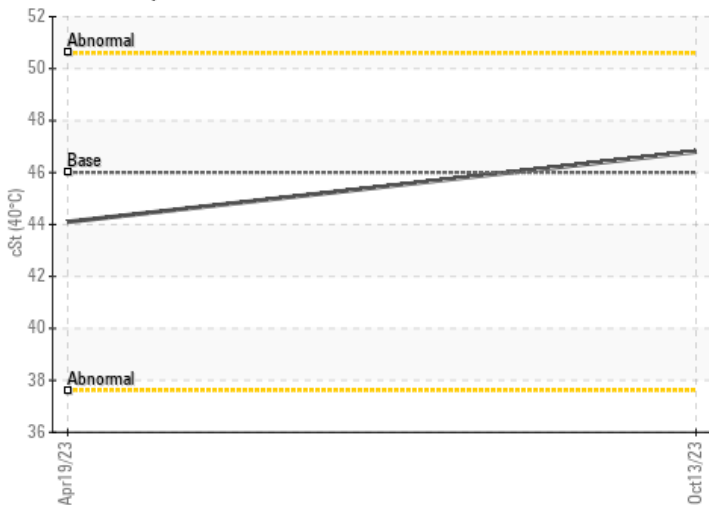
Ferrous Alloys



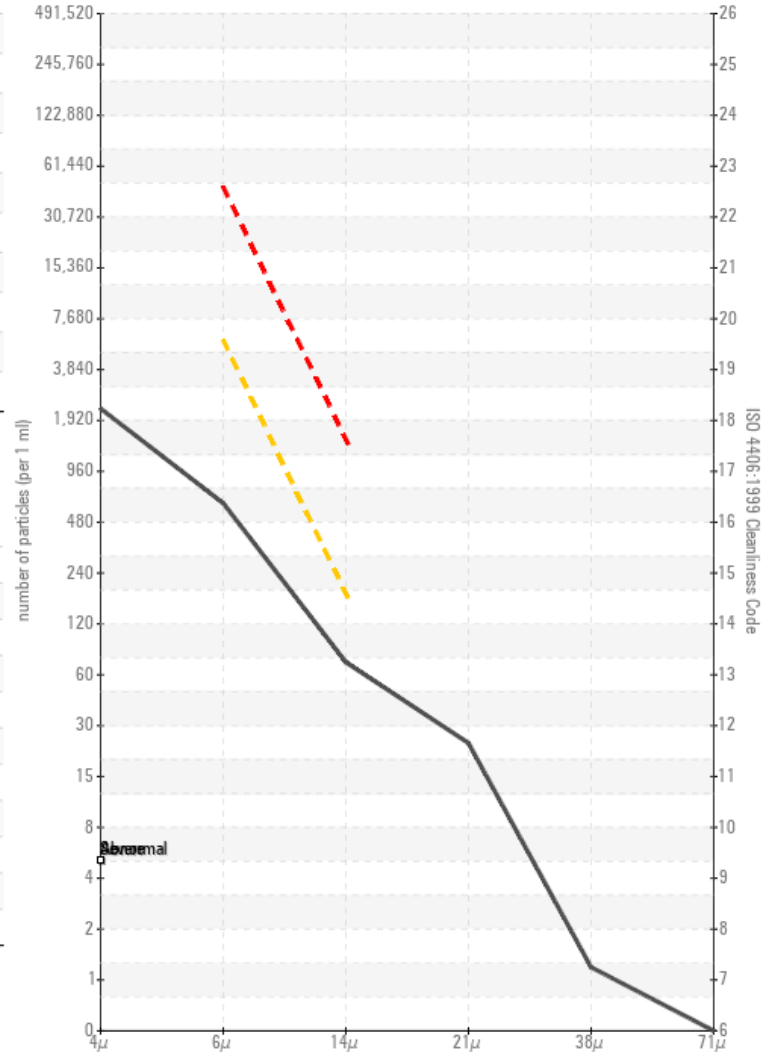
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

