



CONSTRUCTION EQUIPMENT

579157 APTIM VOLVO A30G 740029 - HYDRAULIC SYSTEM



Sample No: VCP414228
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 579157 APTIM



SAMPLE INFORMATION

Sample Number	VCP414228	VCP386336	---	---
Sample Date	12 Jul 2023	17 Oct 2022	---	---
Machine Hours	9441	8409	---	---
Oil Hours	4000	1500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	51.58	43.5	---	---
Acid Number (AN)	mg KOH/g	0.54	0.56	---	---



CONTAMINATION

Particles >4µm		4498	6761	---	---
Particles >6µm		717	1469	---	---
Particles >14µm		115	80	---	---
ISO 4406:1999 (c)		19/17/14	20/18/13	---	---
Silicon	ppm	5	4	---	---
Sodium	ppm	2	0	---	---
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	8	9	---	---
Copper	ppm	4	6	---	---
Lead	ppm	<1	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	2	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	2	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	237	376	---	---
Magnesium	ppm	11	3	---	---
Zinc	ppm	407	561	---	---
Phosphorus	ppm	345	434	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

Depot: VOLVO0093
Unique No: 10564317
Signed: Jonathan Hester
Report Date: 27 Jul 2023

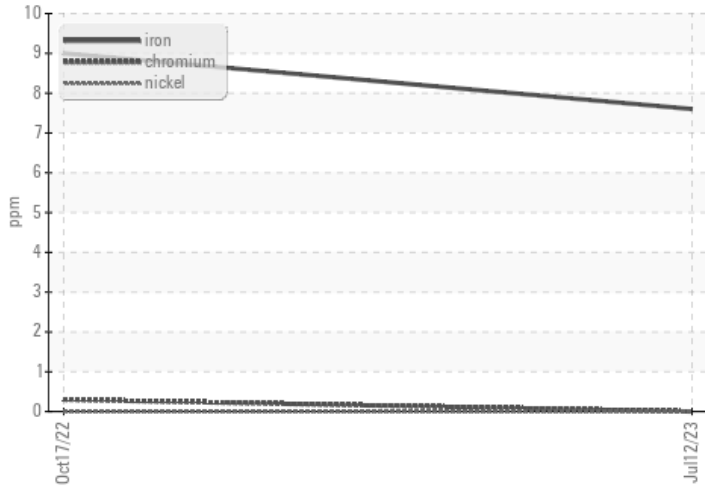


CONSTRUCTION EQUIPMENT

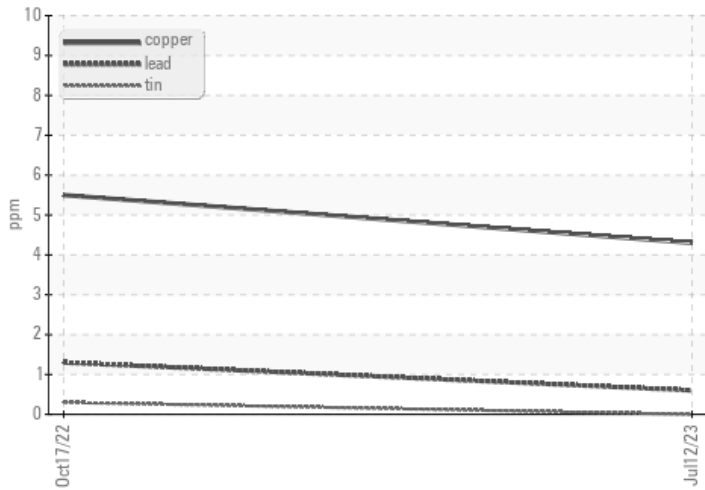


GRAPHS

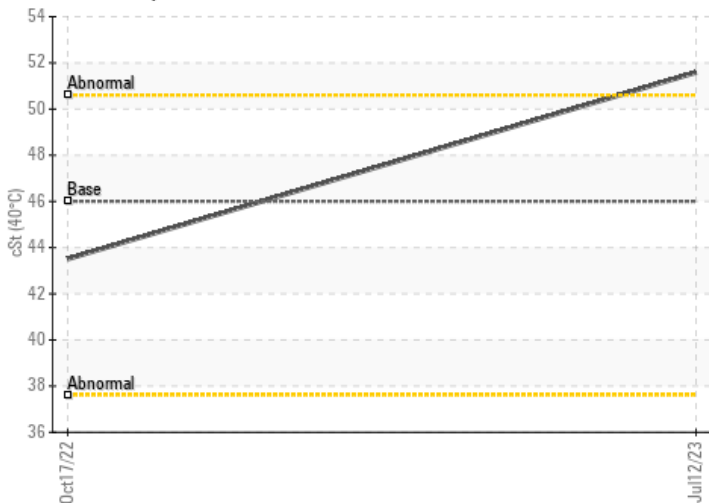
Ferrous Alloys



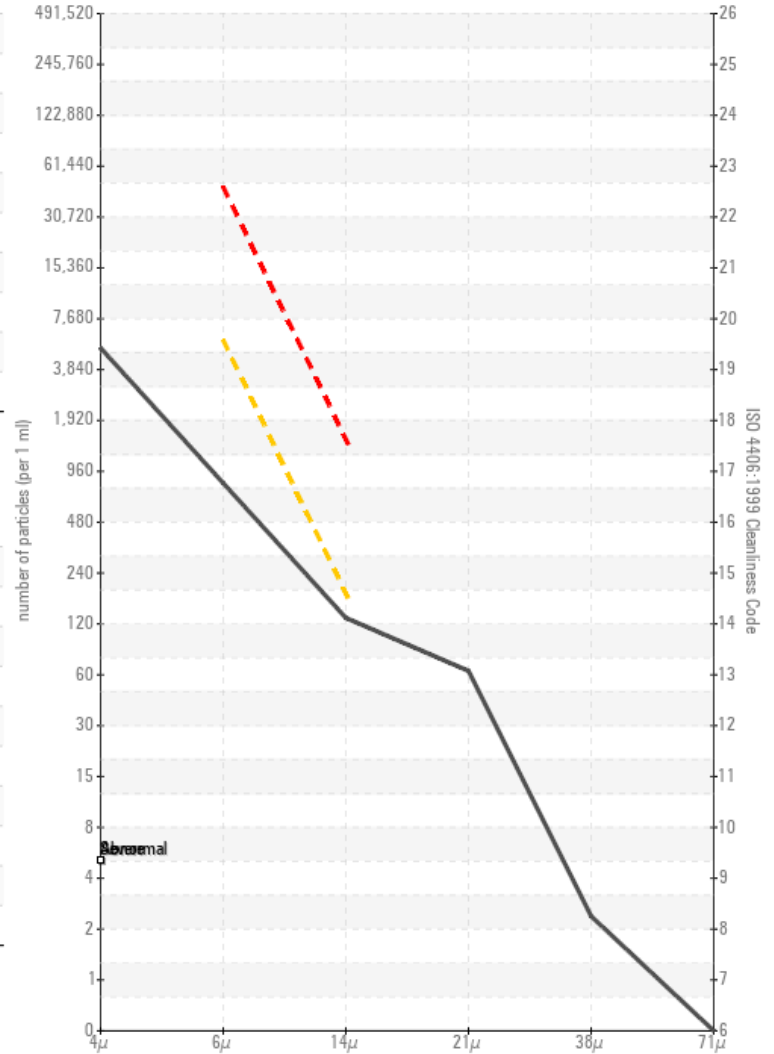
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

