



CONSTRUCTION EQUIPMENT

VOLVO A40G 342010 - HYDRAULIC SYSTEM



Sample No: VCP447431

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP447431	VCP444787	VCP416985	---
Sample Date	09 Jul 2024	07 May 2024	06 Feb 2024	---
Machine Hours	10091	9640	9222	---
Oil Hours	869	418	2107	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	ATTENTION	NORMAL	NORMAL	---



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OIL CONDITION

Visc @ 40°C	cSt	39.2	40.0	41.3	---
Acid Number (AN)	mg KOH/g	0.83	0.86	0.72	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		16457	15350	1380	---
Particles >6µm		5332	2682	148	---
Particles >14µm		229	32	7	---
ISO 4406:1999 (c)		21/20/15	21/19/12	18/14/10	---
Silicon	ppm	12	11	11	---
Sodium	ppm	0	4	5	---
Potassium	ppm	3	<1	0	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	3	3	4	---
Copper	ppm	3	2	3	---
Lead	ppm	<1	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	2	2	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	2	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	2552	2260	1433	---
Magnesium	ppm	17	14	8	---
Zinc	ppm	924	820	602	---
Phosphorus	ppm	709	688	530	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	0	0	---

Depot: SCHGRE

Unique No: 11129072

Signed: Don Baldrige

Report Date: 20 Jul 2024

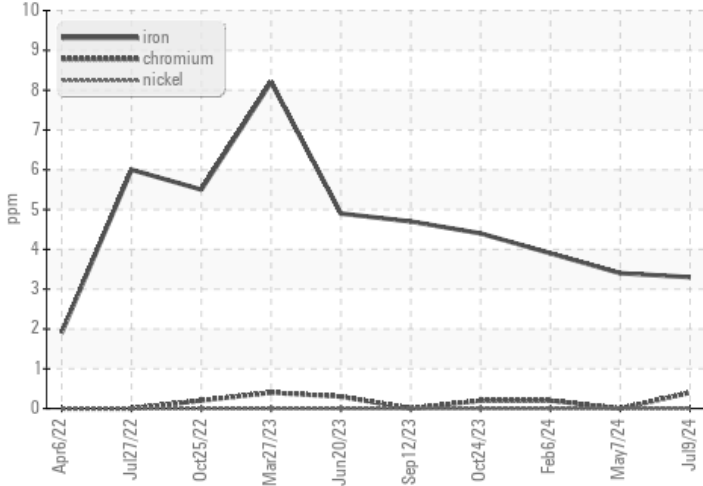


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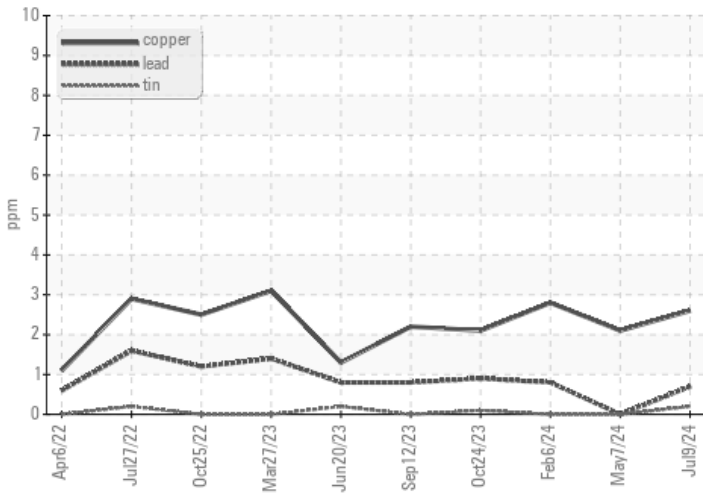


GRAPHS

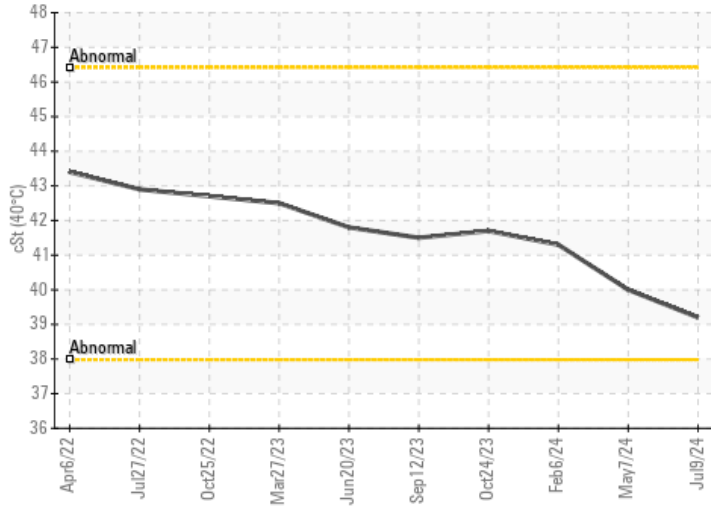
Ferrous Alloys



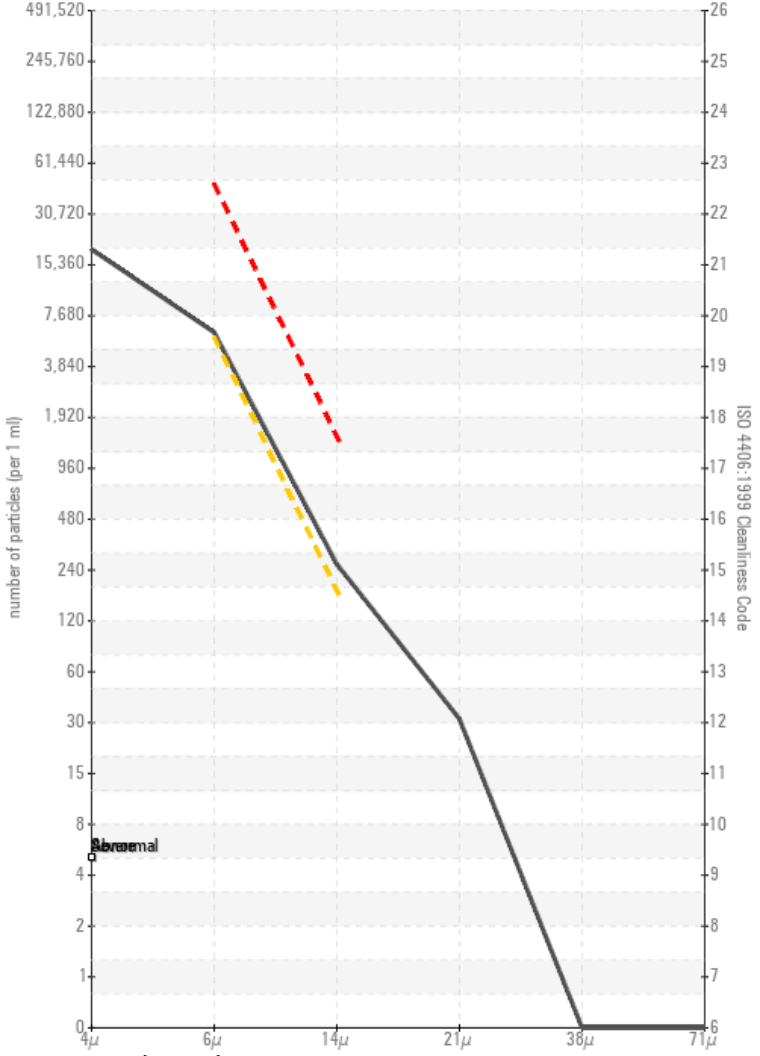
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

