



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - HYDRAULIC SYSTEM



Sample No: VCP446259

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP446259	VCP339700	VCP362647	---
Sample Date	09 Jul 2024	04 Dec 2023	24 Oct 2023	---
Machine Hours	12155	10786	10504	---
Oil Hours	1368	2020	1738	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	ATTENTION	NORMAL	ABNORMAL	---

SCHILDBERG CONSTRUCTION COMPANY

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OIL CONDITION

Visc @ 40°C	cSt	37.8	39.8	39.9	---
Acid Number (AN)	mg KOH/g	1.12	1.11	0.93	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		28865	2196	28374	---
Particles >6µm		8870	486	10019	---
Particles >14µm		231	34	685	---
ISO 4406:1999 (c)		22/20/15	18/16/12	22/21/17	---
Silicon	ppm	15	15	15	---
Sodium	ppm	0	4	4	---
Potassium	ppm	3	0	<1	---

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



ADDITIVES

Calcium	ppm	3364	2773	2797	---
Magnesium	ppm	24	21	28	---
Zinc	ppm	1090	975	1008	---
Phosphorus	ppm	867	838	830	---
Barium	ppm	0	0	0	---
Boron	ppm	2	2	3	---

Depot: SCHGRE

Unique No: 11129071

Signed: Don Baldrige

Report Date: 20 Jul 2024

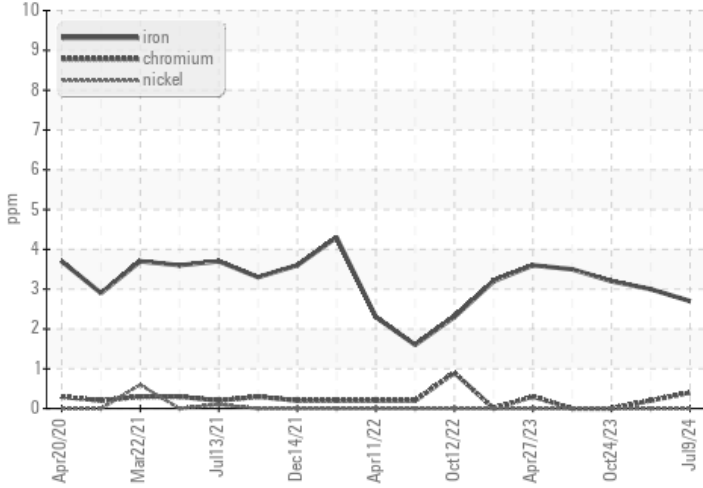


CONSTRUCTION EQUIPMENT

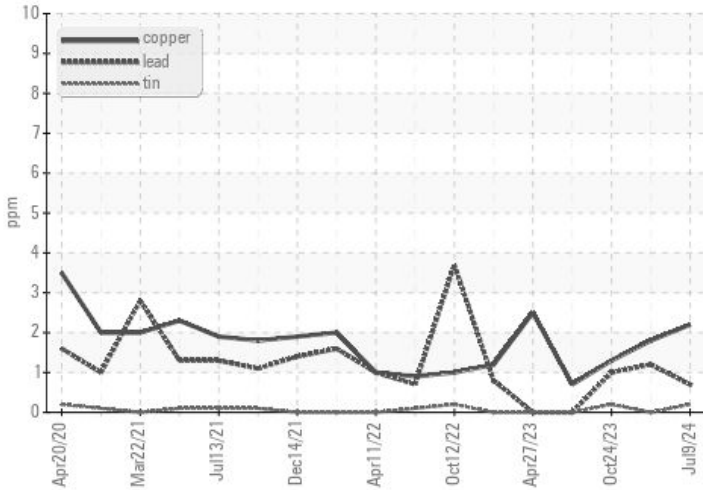


GRAPHS

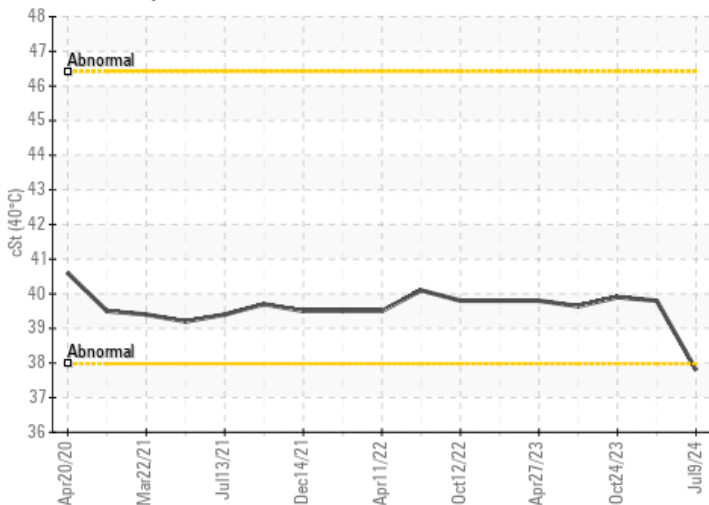
Ferrous Alloys



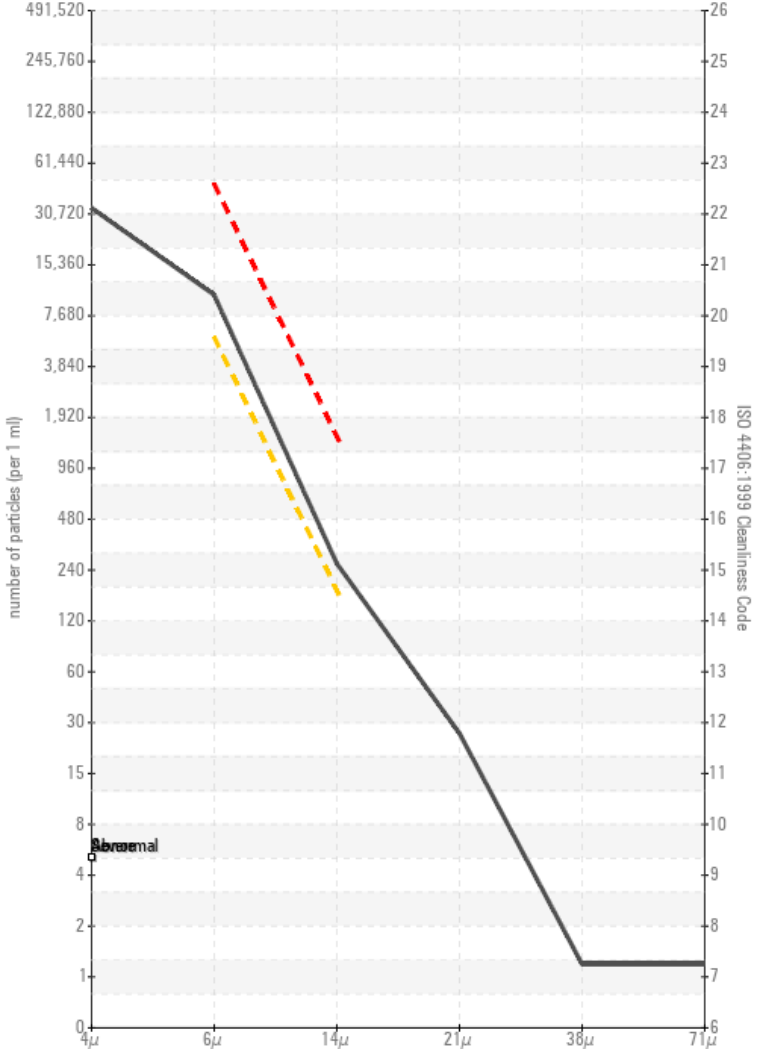
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

