



CONSTRUCTION EQUIPMENT

VOLVO A40G 341 127 - HYDRAULIC SYSTEM



Sample No: VCP447363

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP447363	VCP447490	VCP416752	---
Sample Date	10 Jul 2024	07 May 2024	06 Feb 2024	---
Machine Hours	15296	14841	14222	---
Oil Hours	1074	619	1865	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

SCHILDBERG CONSTRUCTION COMPANY

PO BOX 358
GREENFIELD, IA
US 50849

Contact: SCOTT ARMSTRONG
sarmstrong@schildberg.com

T: (641)743-8237

F: (641)743-2486



OIL CONDITION

Visc @ 40°C	cSt	37.9	38.3	39.5	---
Acid Number (AN)	mg KOH/g	1.11	1.13	1.16	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1879	29077	1883	---
Particles >6µm		368	5986	419	---
Particles >14µm		22	187	19	---
ISO 4406:1999 (c)		18/16/12	22/20/15	18/16/11	---
Silicon	ppm	11	13	13	---
Sodium	ppm	0	3	4	---
Potassium	ppm	2	0	0	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	2	2	2	---
Copper	ppm	3	2	3	---
Lead	ppm	<1	0	1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	2	3	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	2	2	1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	<1	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	3496	3001	2829	---
Magnesium	ppm	22	19	15	---
Zinc	ppm	1145	975	906	---
Phosphorus	ppm	893	846	814	---
Barium	ppm	0	0	0	---
Boron	ppm	1	0	<1	---

Depot: SCHGRE

Unique No: 11129070

Signed: Don Baldrige

Report Date: 20 Jul 2024

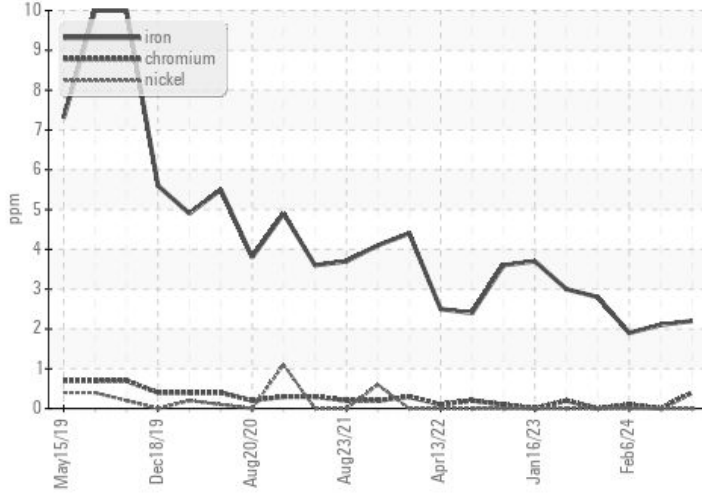


CONSTRUCTION EQUIPMENT

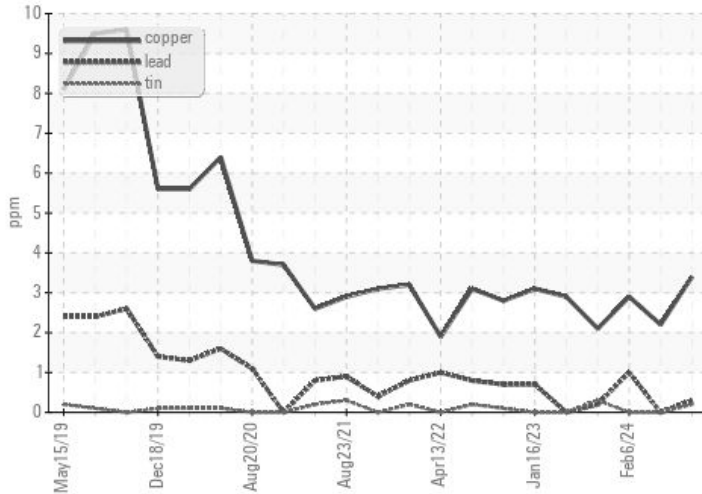


GRAPHS

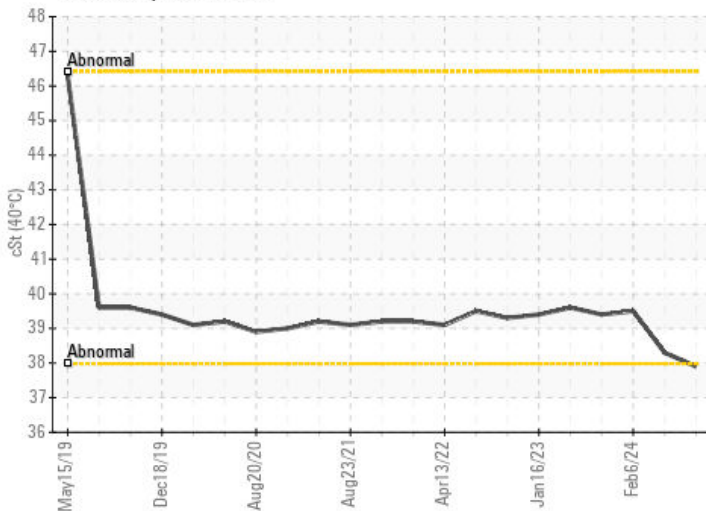
Ferrous Alloys



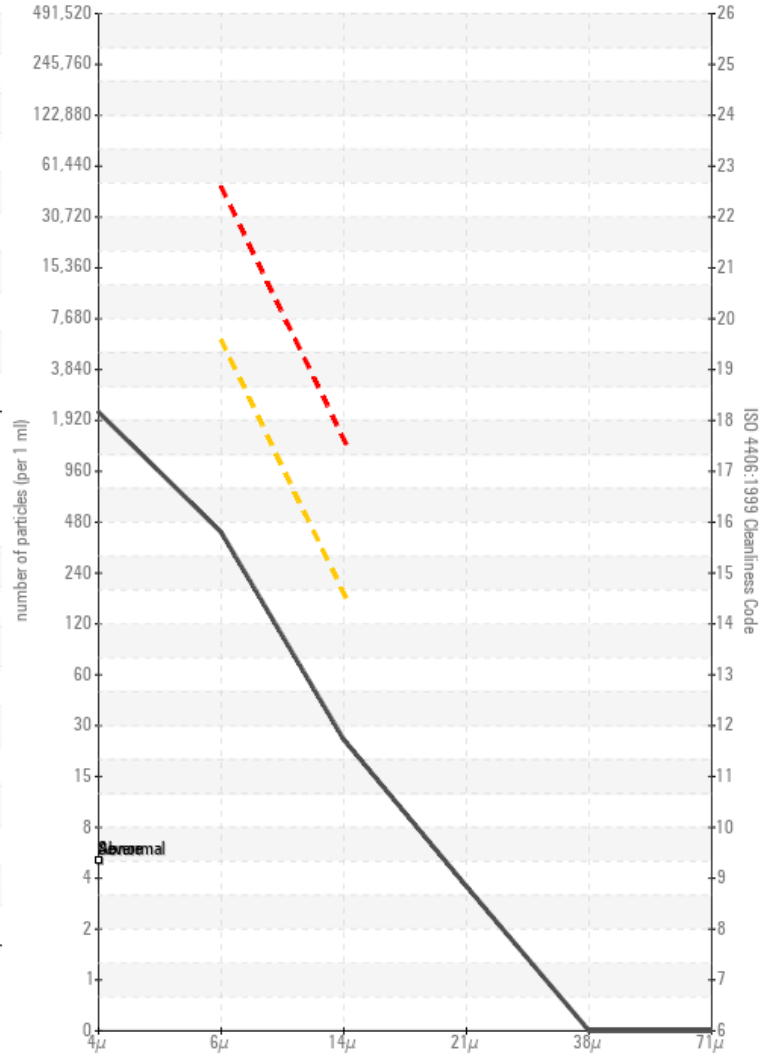
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

