



CONSTRUCTION EQUIPMENT

VOLVO A40G 352339 - A40G - HYDRAULIC SYSTEM



Sample No: VCP371378
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP371378	VCP288361	---	---
Sample Date	06 Dec 2023	30 Oct 2020	---	---
Machine Hours	5859	1121	---	---
Oil Hours	0	1121	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.2	42.2	---	---
Acid Number (AN)	mg KOH/g	0.25	0.441	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		34478	12472	---	---
Particles >6µm		▲ 6699	2933	---	---
Particles >14µm		▲ 223	142	---	---
ISO 4406:1999 (c)		22/20/15	21/19/14	---	---
Silicon	ppm	▲ 22	3	---	---
Sodium	ppm	3	1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. 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. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	2	---	---
Copper	ppm	4	2	---	---
Lead	ppm	1	2	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	▲ 11	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	1	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	207	45	---	---
Magnesium	ppm	11	<1	---	---
Zinc	ppm	443	410	---	---
Phosphorus	ppm	344	316	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	1	---	---

Depot: VOLVO0090
Unique No: 10780270
Signed: Don Baldrige
Report Date: 13 Dec 2023

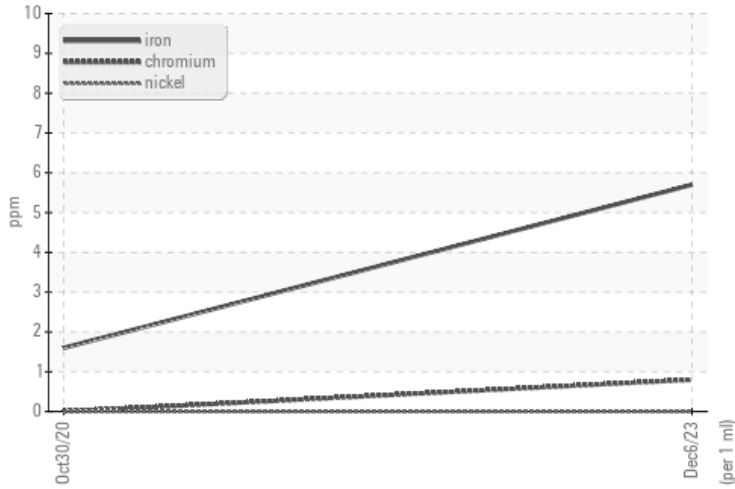


CONSTRUCTION EQUIPMENT

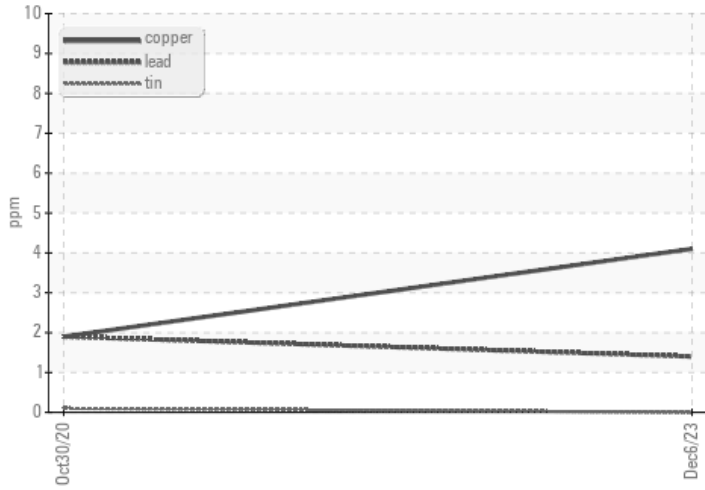


VOLVO GRAPHS

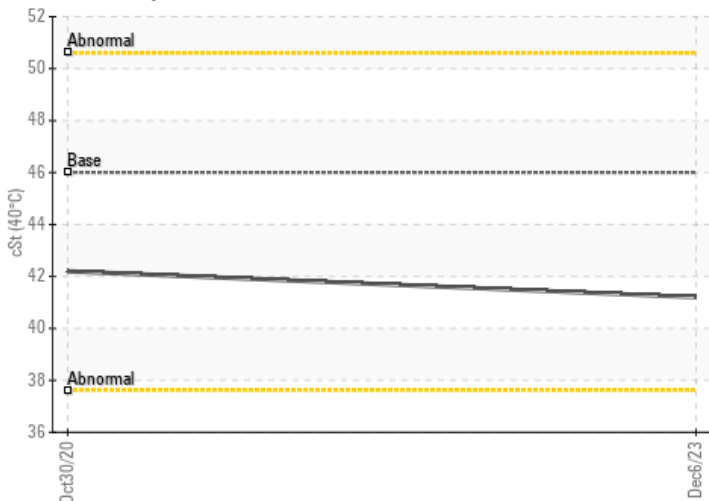
Ferrous Alloys



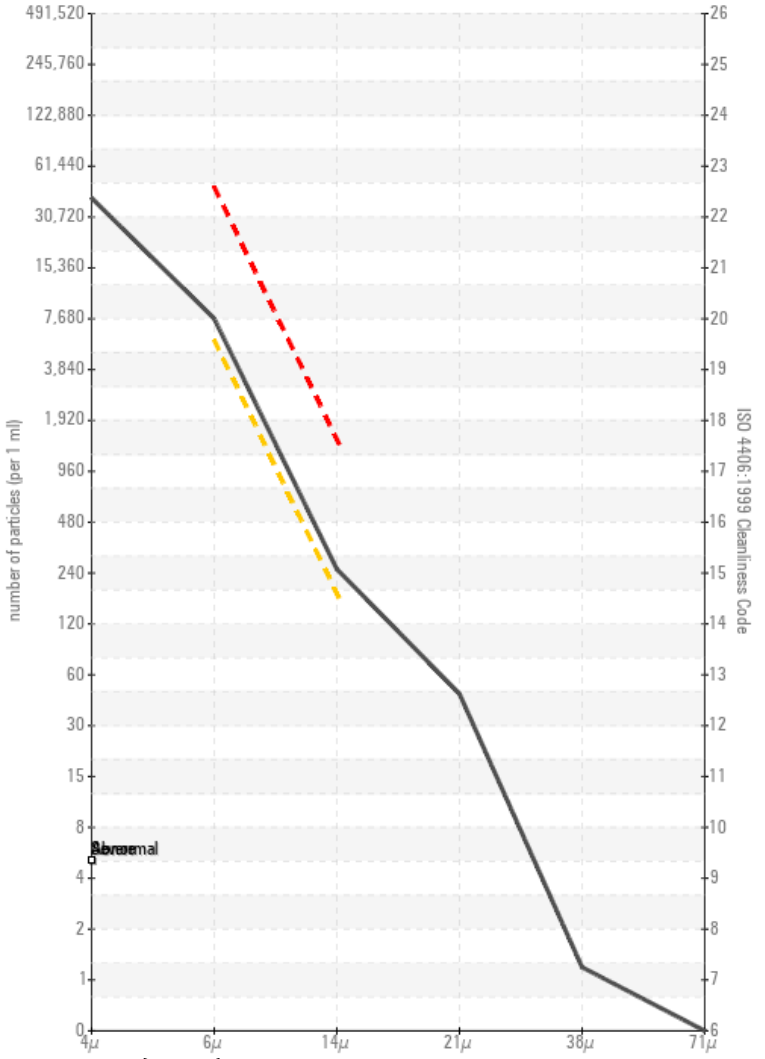
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

