



CONSTRUCTION EQUIPMENT

2023-1019051 VOLVO A45G 88 (S/N NOT GIVEN) - HYDRAULIC SYSTEM



Sample No: VCP411949
Oil Type: SHELL TELLUS S2 V 68
Job No: 2023-1019051



SAMPLE INFORMATION

Sample Number	VCP411949	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	4846	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 52.4	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.41	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 13675	---	---	---
Particles >6µm		■ 4469	---	---	---
Particles >14µm		▲ 298	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	89	---	---	---
Magnesium	ppm	45	---	---	---
Zinc	ppm	401	---	---	---
Phosphorus	ppm	316	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: JMHMAR
Unique No: 10781175
Signed: Don Baldrige
Report Date: 14 Dec 2023

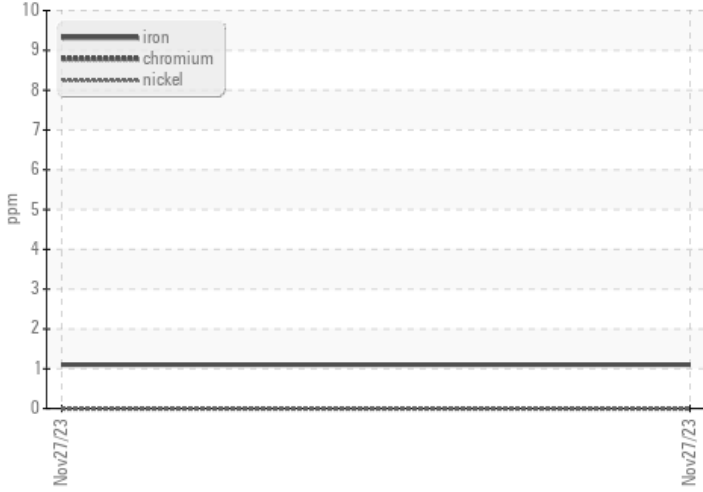


CONSTRUCTION EQUIPMENT

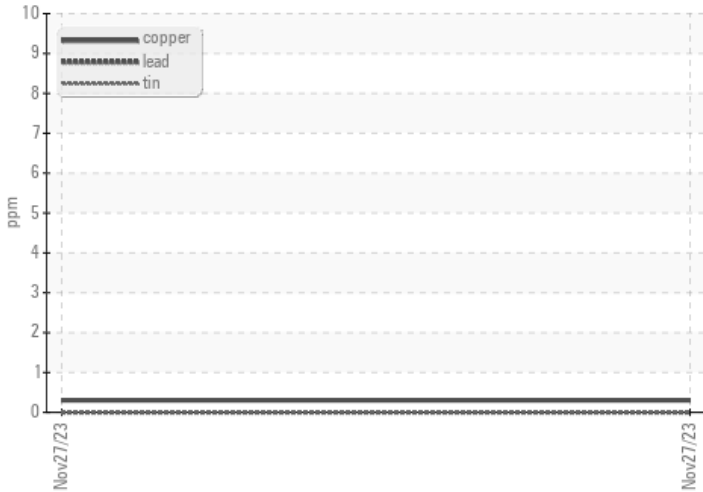


GRAPHS

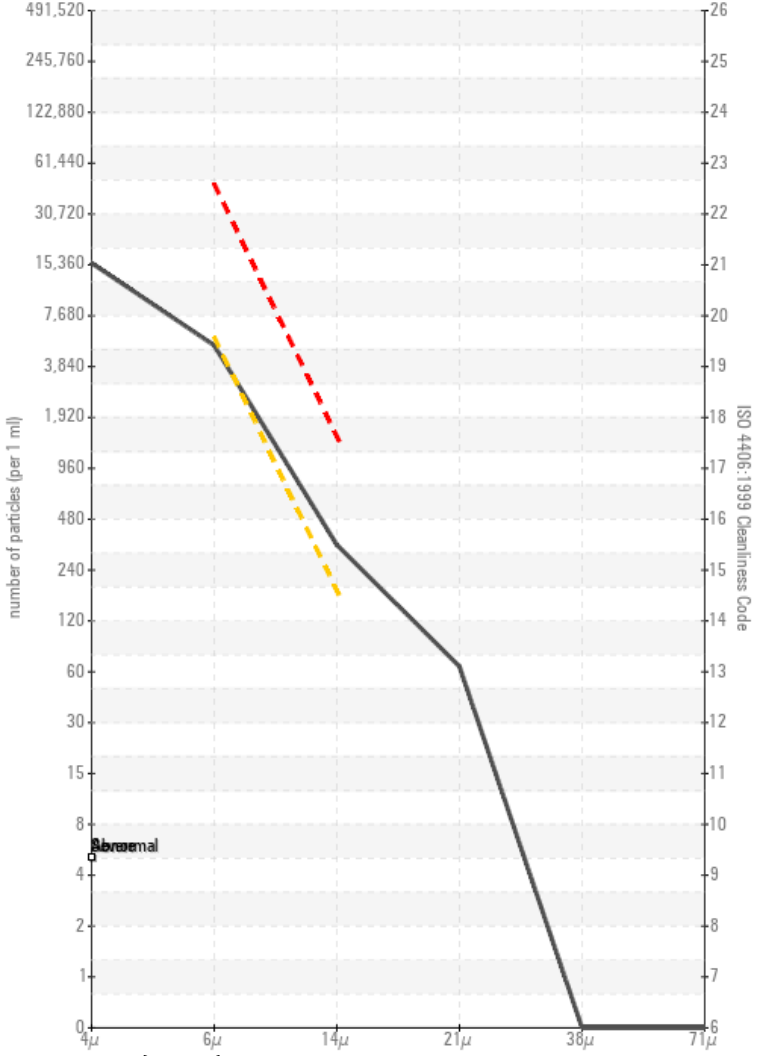
Ferrous Alloys



Non-ferrous Metals

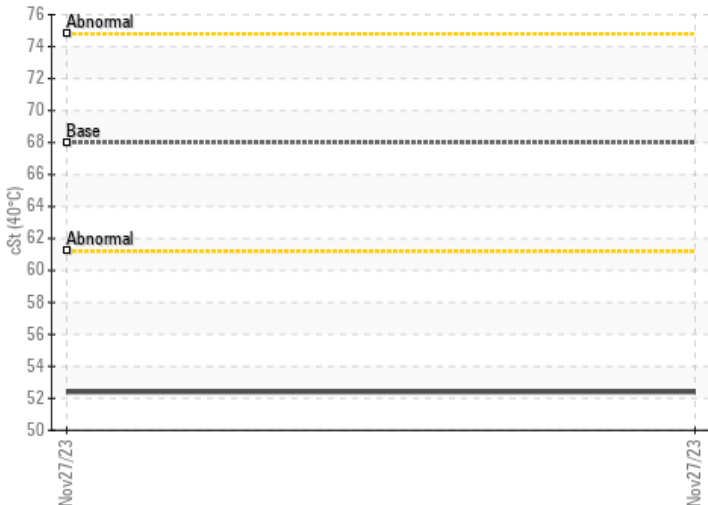


▲ Particle Count



ISO 4406:1999 Cleanliness Code

▲ Viscosity @ 40°C



Acid Number

