



CONSTRUCTION EQUIPMENT

X47828 VOLVO A25G 752406 - HYDRAULIC SYSTEM



Sample No: VCP435262
Oil Type: GEAR OIL SAE 80W90
Job No: X47828



SAMPLE INFORMATION

Sample Number	VCP435262	---	---	---
Sample Date	13 Oct 2023	---	---	---
Machine Hours	2218	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.40	---	---	---



CONTAMINATION

Particles >4µm		■ 6479	---	---	---
Particles >6µm		■ 1446	---	---	---
Particles >14µm		■ 111	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 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 oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 75	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 389	---	---	---
Phosphorus	ppm	■ 309	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO6244
Unique No: 10700837
Signed: Don Baldrige
Report Date: 20 Oct 2023

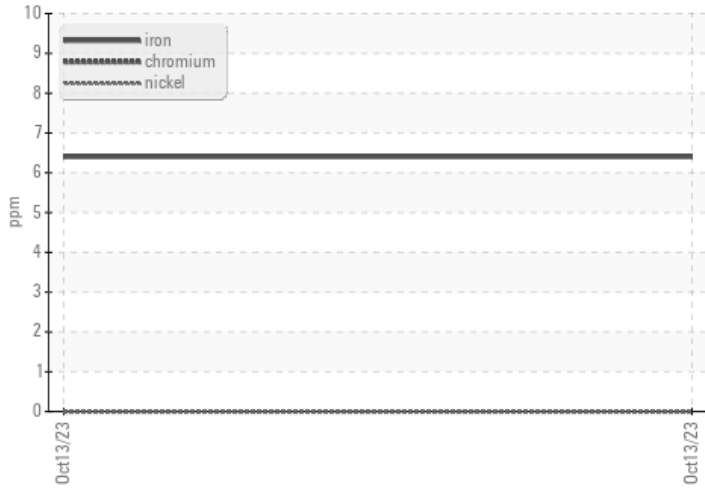


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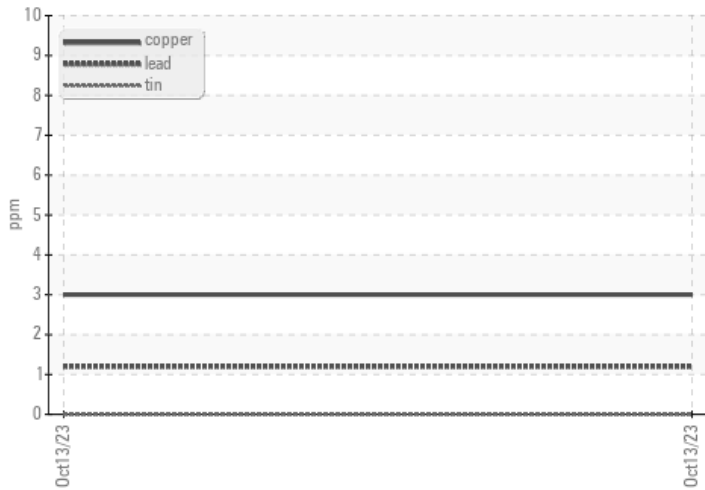


GRAPHS

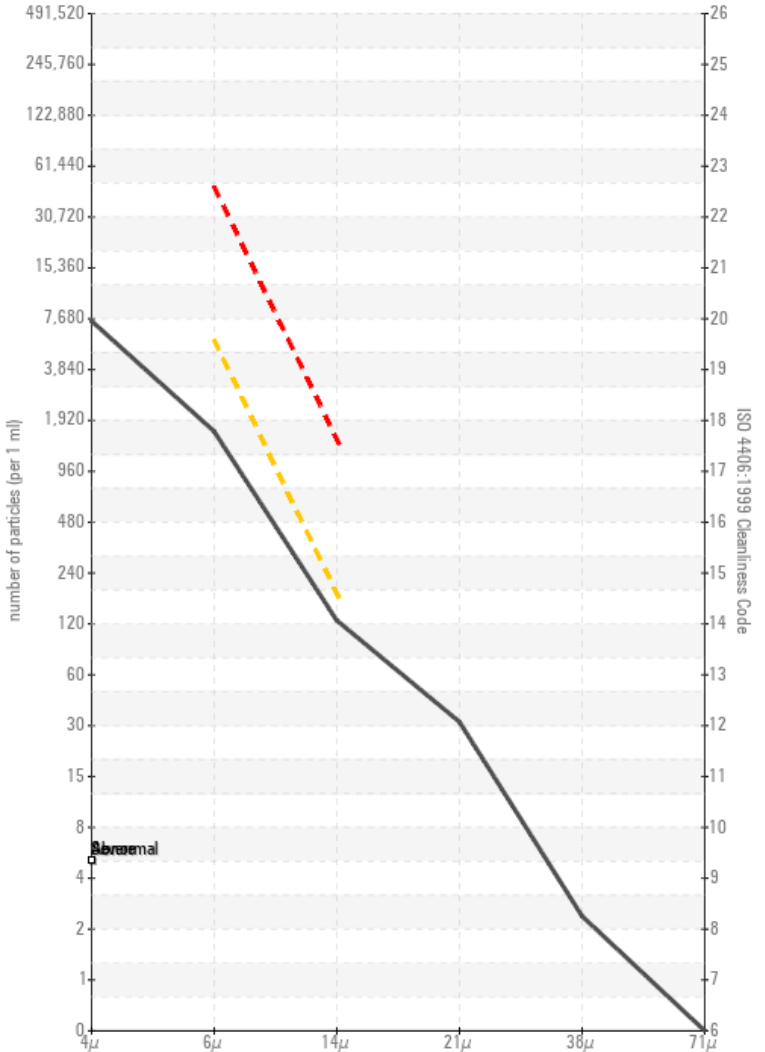
Ferrous Alloys



Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

