



CONSTRUCTION EQUIPMENT

X37422 PERFORM CONST 0160103473 - HYDRAULIC SYSTEM



Sample No: VCP416845
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X37422 PERFORM CONST



SAMPLE INFORMATION

Sample Number	VCP416845	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	5601	---	---	---
Oil Hours	4	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 56.2	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.92	---	---	---



CONTAMINATION

Water	%	▲ 0.871	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---



WEAR METALS

Iron	ppm	■ 2	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2627	---	---	---
Magnesium	ppm	■ 45	---	---	---
Zinc	ppm	■ 1179	---	---	---
Phosphorus	ppm	■ 930	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 67	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

Depot: VOLVO6242
Unique No: 10726264
Signed: Don Baldrige
Report Date: 06 Nov 2023

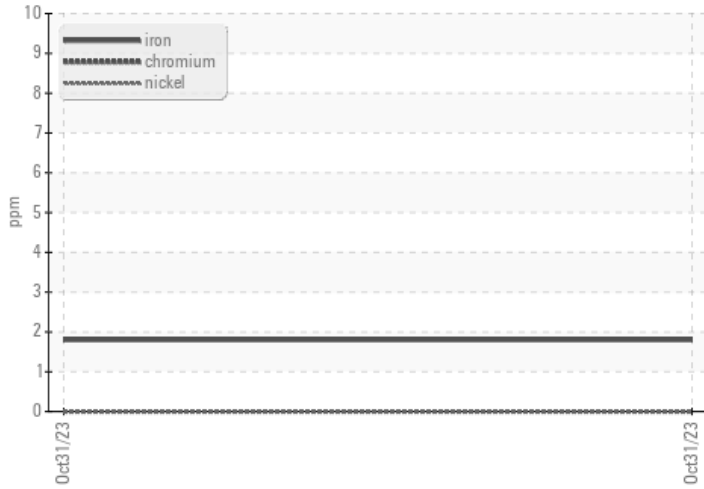


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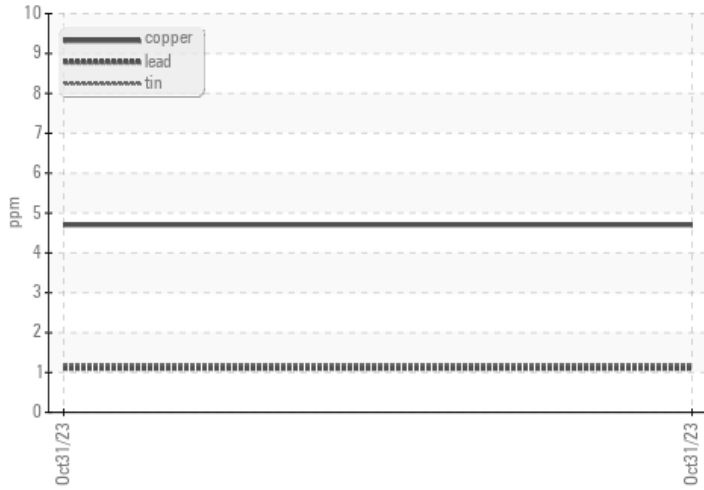


GRAPHS

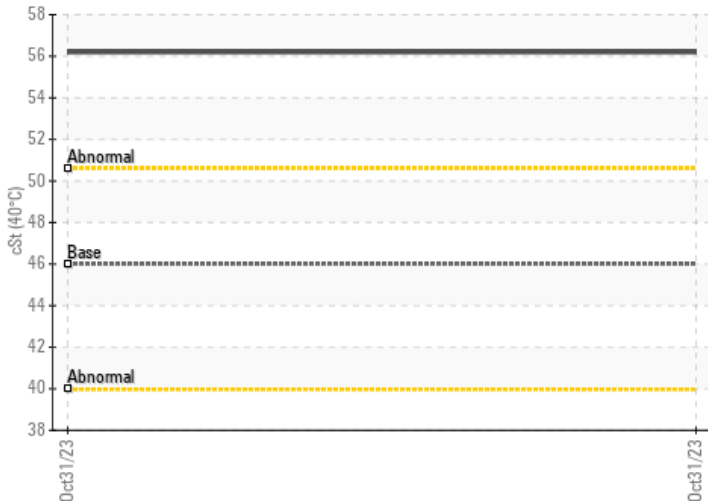
Ferrous Alloys



Non-ferrous Metals



▲ Viscosity @ 40°C



Acid Number

