



CONSTRUCTION EQUIPMENT

661009 PETERSON 6700B 31B-21-1214 - HYDRAULIC SYSTEM



Sample No: VCP438953
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 661009



SAMPLE INFORMATION

Sample Number	VCP438953	---	---	---
Sample Date	31 Jan 2024	---	---	---
Machine Hours	20531	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

FORESTRY RESOURCES

4353 MICHIGAN LINK
 FORT MYERS, FL
 US 33916
 Contact: COREY MUELLER



OIL CONDITION

Visc @ 40°C	cSt	▲ 59.8	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.64	---	---	---

T: (239)872-1856
 F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ <1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 0	---	---	---
Copper	ppm	■ 0	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 478	---	---	---
Magnesium	ppm	■ 92	---	---	---
Zinc	ppm	■ 500	---	---	---
Phosphorus	ppm	■ 408	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 13	---	---	---

Depot: FORFOTFL
Unique No: 10861826
Signed: Jonathan Hester
Report Date: 08 Feb 2024

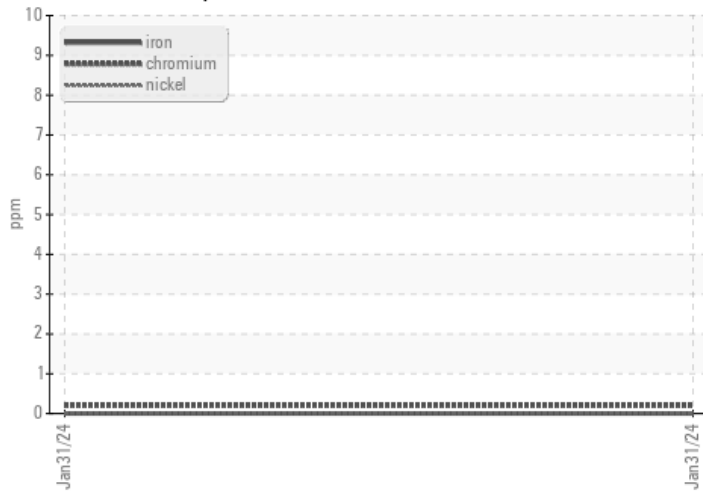


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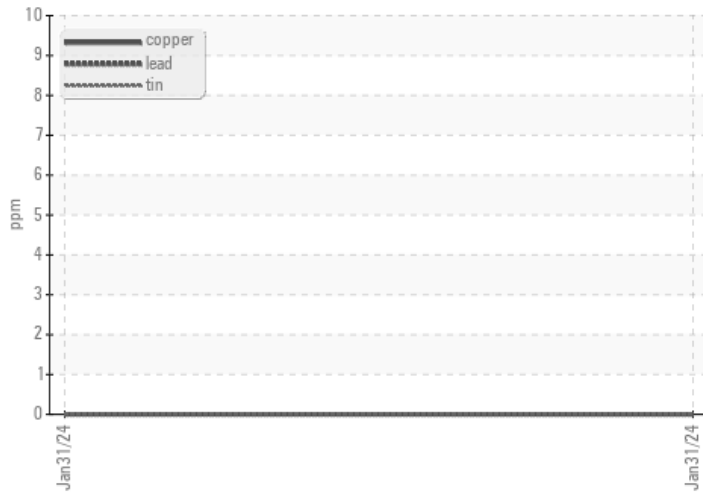


GRAPHS

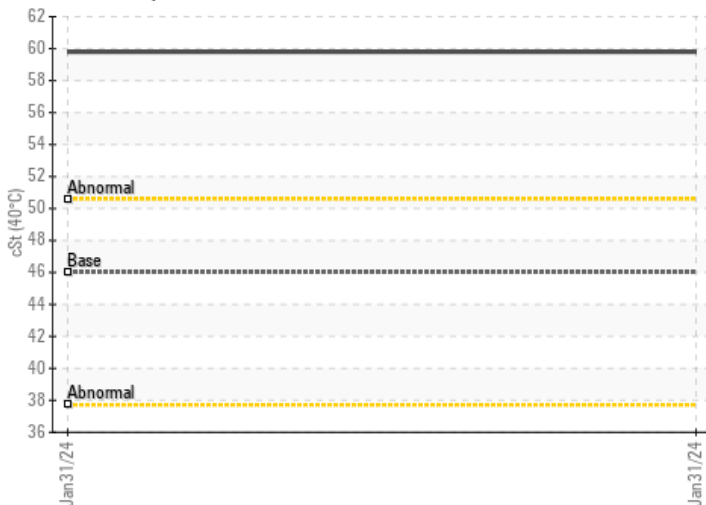
Ferrous Alloys



Non-ferrous Metals



▲ Viscosity @ 40°C



Acid Number

