



CONSTRUCTION EQUIPMENT

VOLVO L90H 625695 - HYDRAULIC SYSTEM



Sample No: VCP315208
Oil Type: VOLVO HYD OIL 68
Job No:



SAMPLE INFORMATION

Sample Number	VCP315208	---	---	---
Sample Date	23 Feb 2024	---	---	---
Machine Hours	483	---	---	---
Oil Hours	483	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

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 wabalsj@mylct.org
 T: (610)799-1433
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 44.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.45	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 32825	---	---	---
Particles >6µm		● 3121	---	---	---
Particles >14µm		■ 16	---	---	---
ISO 4406:1999 (c)		22/19/11	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 1	---	---	---
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. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

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



ADDITIVES

Calcium	ppm	58	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	390	---	---	---
Phosphorus	ppm	309	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LEHSCH
Unique No: 10909492
Signed: Don Baldrige
Report Date: 05 Mar 2024

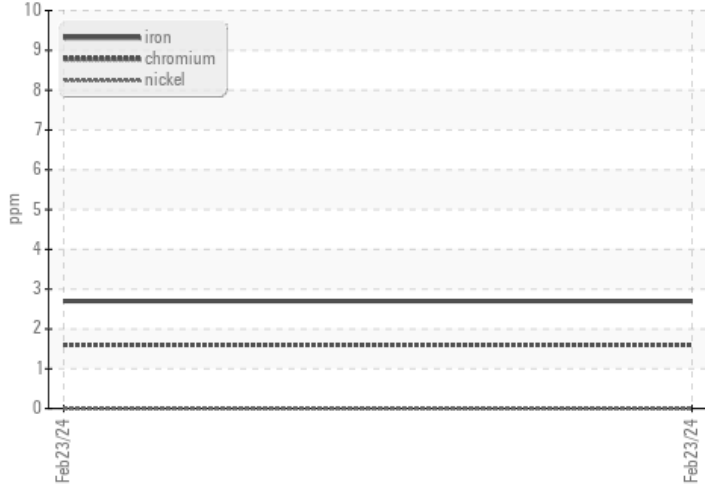


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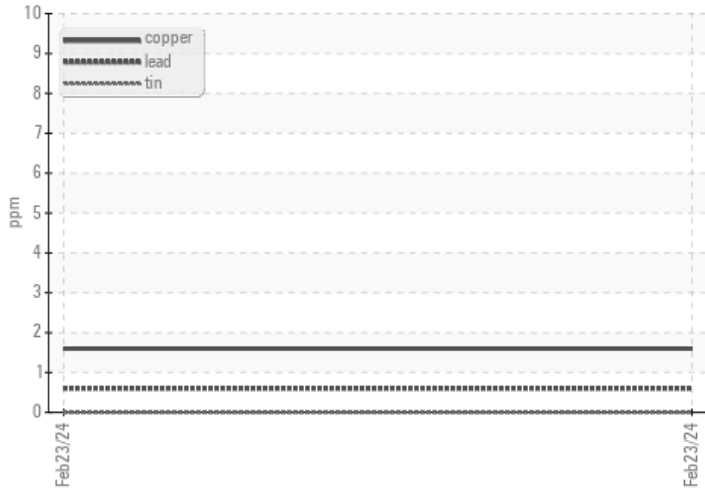


GRAPHS

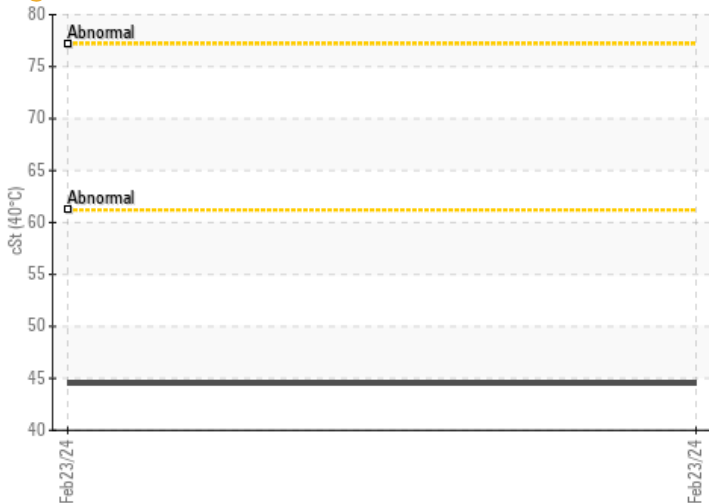
Ferrous Alloys



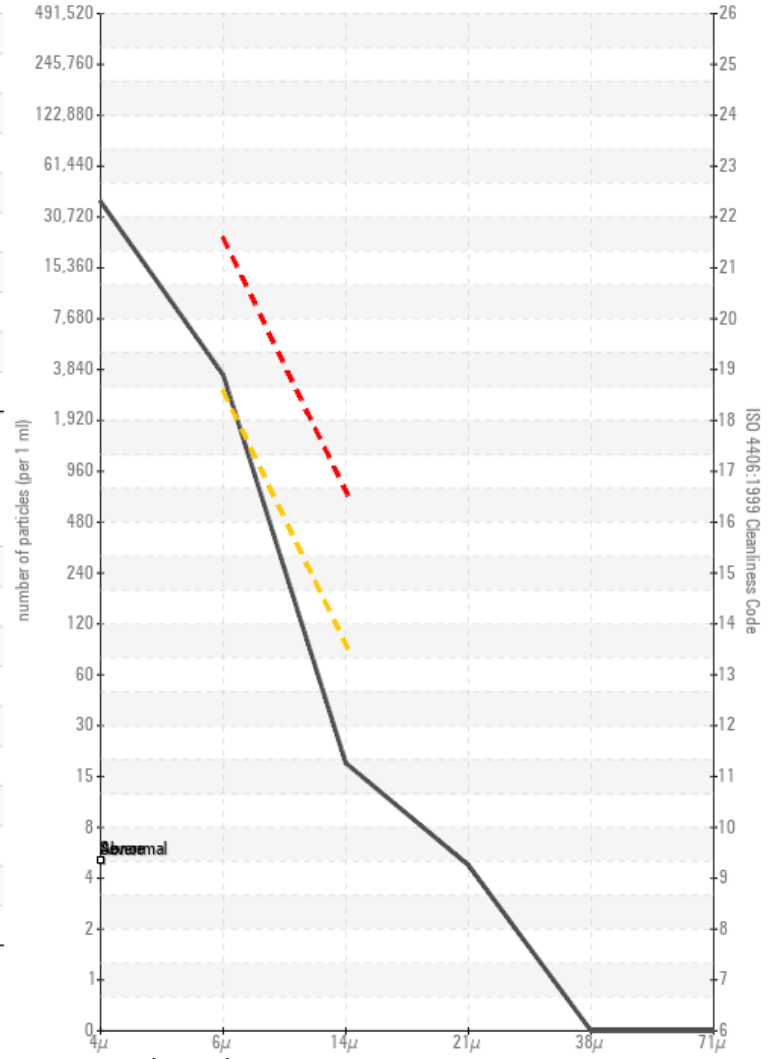
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

