



CONSTRUCTION EQUIPMENT

701243 HERC VOLVO L70H 625244 - HYDRAULIC SYSTEM



Sample No: VCP443789
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 701243 HERC



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SAMPLE INFORMATION

Sample Number	VCP443789	---	---	---
Sample Date	08 Apr 2024	---	---	---
Machine Hours	871	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 43.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 10003	---	---	---
Particles >6µm		█ 1859	---	---	---
Particles >14µm		█ 75	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 60	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 426	---	---	---
Phosphorus	ppm	█ 338	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10983084
Signed: Wes Davis
Report Date: 19 Apr 2024

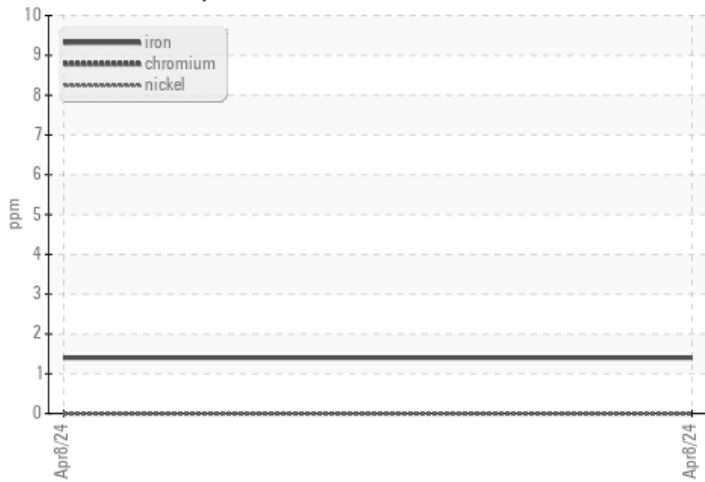


CONSTRUCTION EQUIPMENT

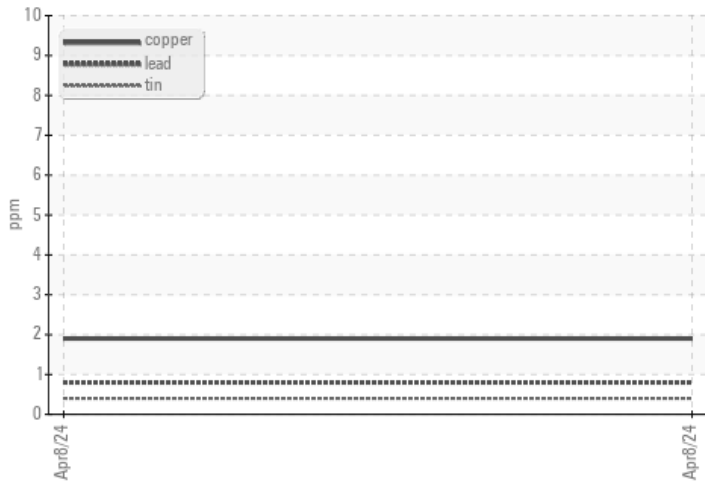


GRAPHS

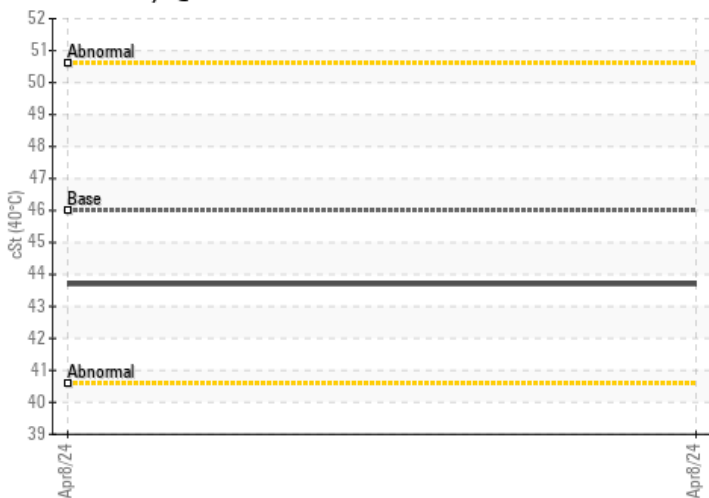
Ferrous Alloys



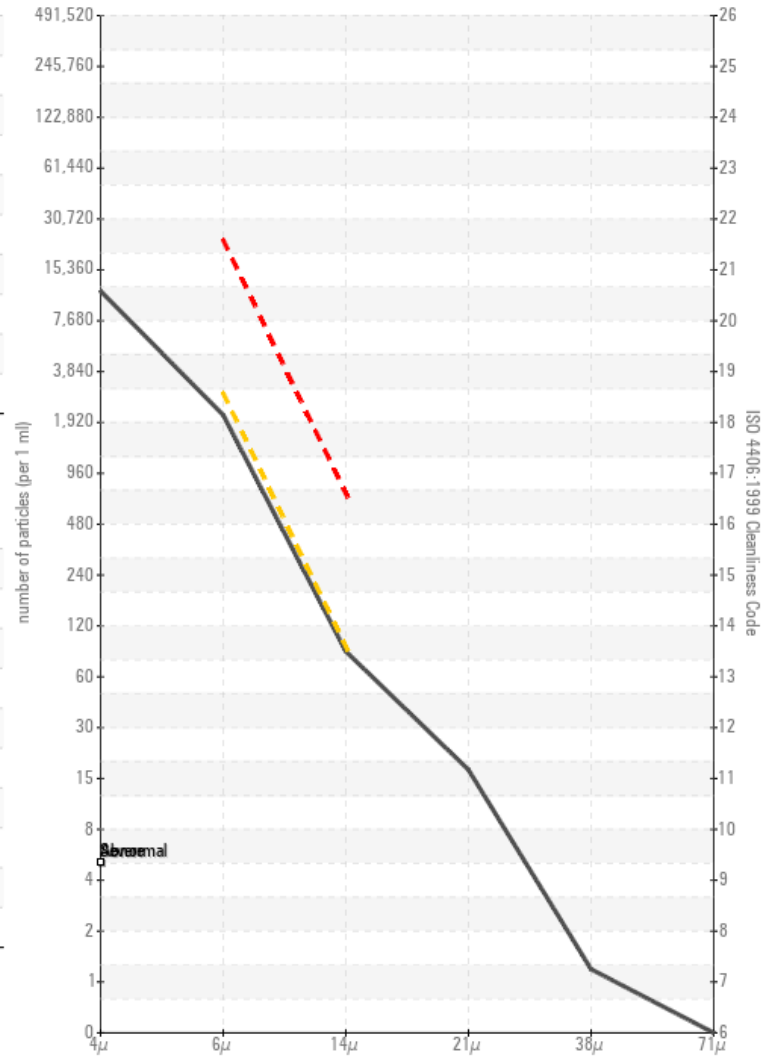
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

