



CONSTRUCTION EQUIPMENT

594559 VOLVO L70H 623714 - HYDRAULIC SYSTEM



Sample No: VCP412630
Oil Type: VOLVO HYDRAULIC OIL ULTRA 46
Job No: 594559



SAMPLE INFORMATION

Sample Number	VCP412630	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	3333	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 51.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.35	---	---	---



CONTAMINATION

Particles >4µm		█ 1876	---	---	---
Particles >6µm		█ 359	---	---	---
Particles >14µm		█ 29	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. 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. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 22	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1693	---	---	---
Magnesium	ppm	█ 81	---	---	---
Zinc	ppm	█ 884	---	---	---
Phosphorus	ppm	█ 750	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 39	---	---	---

Depot: VOLVO0096
Unique No: 10609488
Signed: Angela Borella
Report Date: 23 Aug 2023

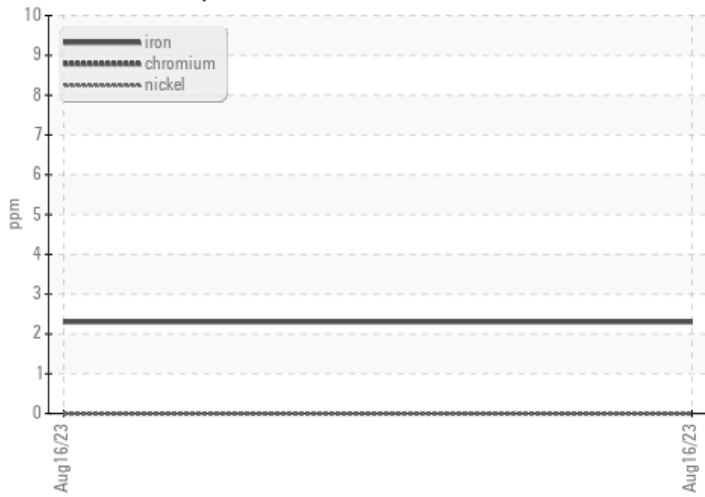


CONSTRUCTION EQUIPMENT

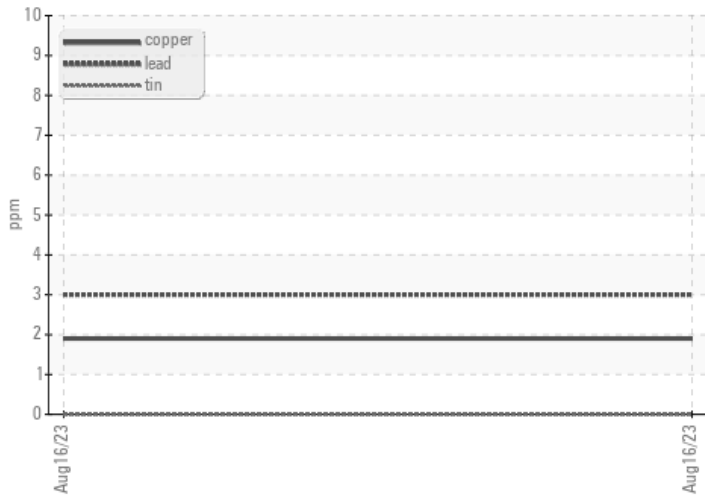


GRAPHS

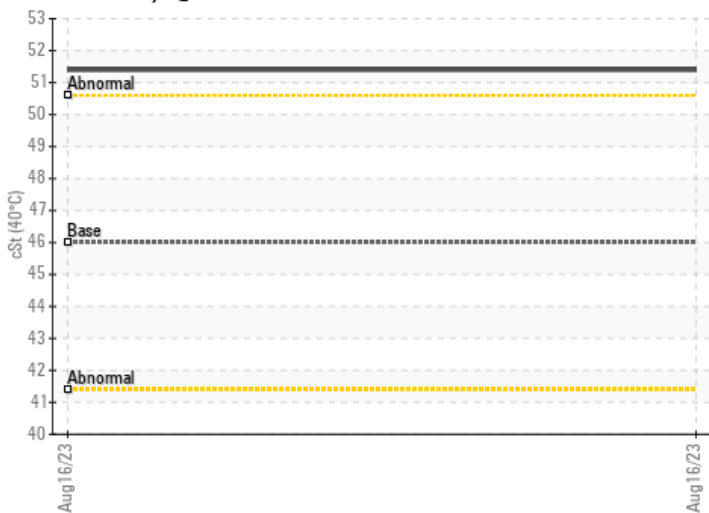
Ferrous Alloys



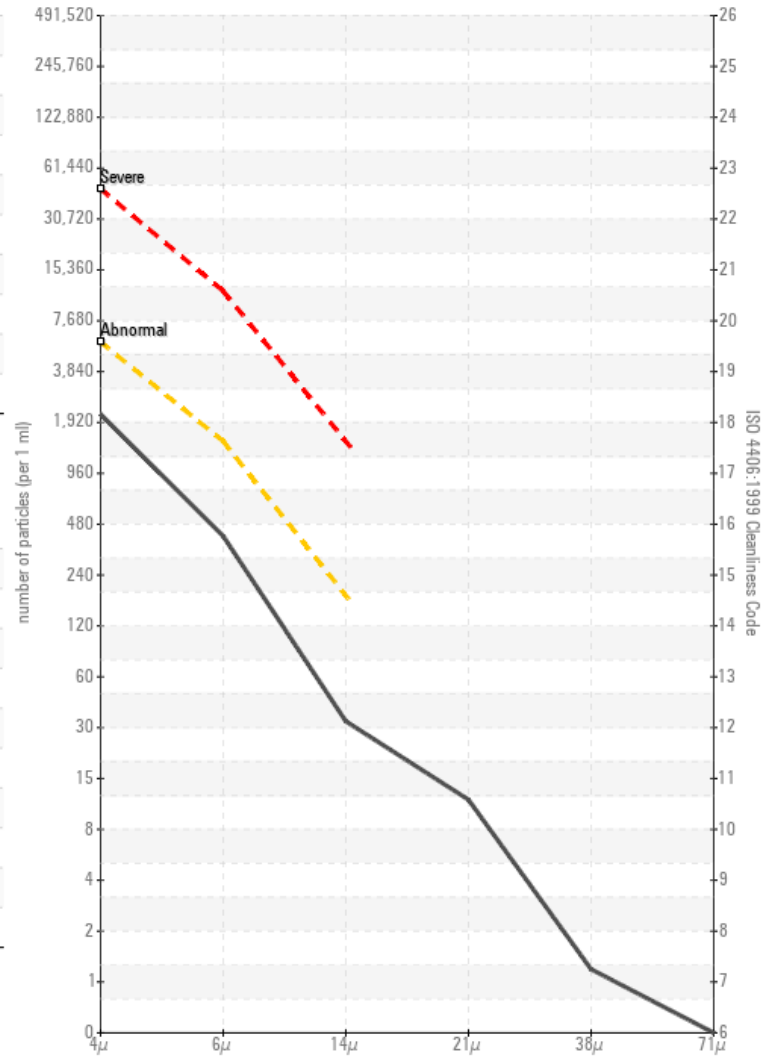
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

