



CONSTRUCTION EQUIPMENT

19305 KOPPERS VOLVO L120H 632918 - HYDRAULIC SYSTEM



Sample No: VCP416872
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 19305 KOPPERS



SAMPLE INFORMATION

Sample Number	VCP416872	VCE092675	---	---
Sample Date	29 Jul 2023	14 Feb 2022	---	---
Machine Hours	4016	1308	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 49.5	■ 44.8	---	---
Acid Number (AN)	mg KOH/g	■ 0.31	■ 0.289	---	---



CONTAMINATION

Particles >4µm		■ 2823	■ 646	---	---
Particles >6µm		■ 810	■ 137	---	---
Particles >14µm		■ 46	■ 24	---	---
ISO 4406:1999 (c)		19/17/13	17/14/12	---	---
Silicon	ppm	■ 4	■ 2	---	---
Sodium	ppm	■ 0	■ 0	---	---
Potassium	ppm	■ 1	■ <1	---	---

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.



WEAR METALS

Iron	ppm	■ 7	■ <1	---	---
Copper	ppm	■ 2	■ 0	---	---
Lead	ppm	■ 1	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ 0	---	---
Chromium	ppm	■ 1	■ 0	---	---
Molybdenum	ppm	■ <1	■ 0	---	---
Nickel	ppm	■ <1	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 45	■ 62	---	---
Magnesium	ppm	■ 4	■ 0	---	---
Zinc	ppm	■ 450	■ 436	---	---
Phosphorus	ppm	■ 334	■ 338	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ <1	---	---

Depot: VOLVO8769
Unique No: 10587203
Signed: Wes Davis
Report Date: 04 Aug 2023

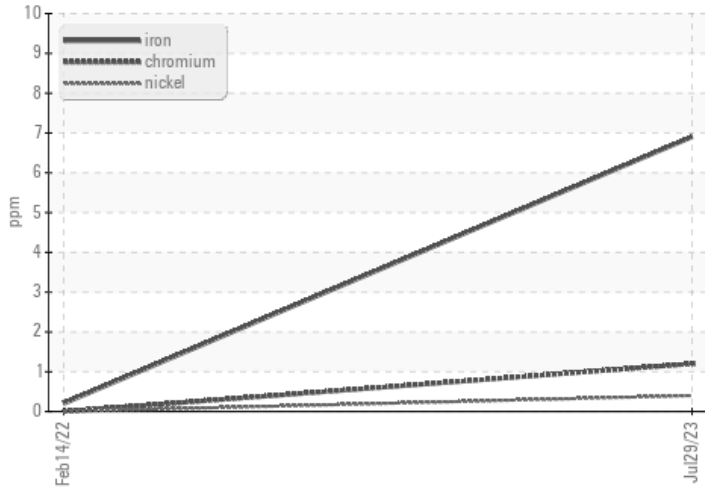


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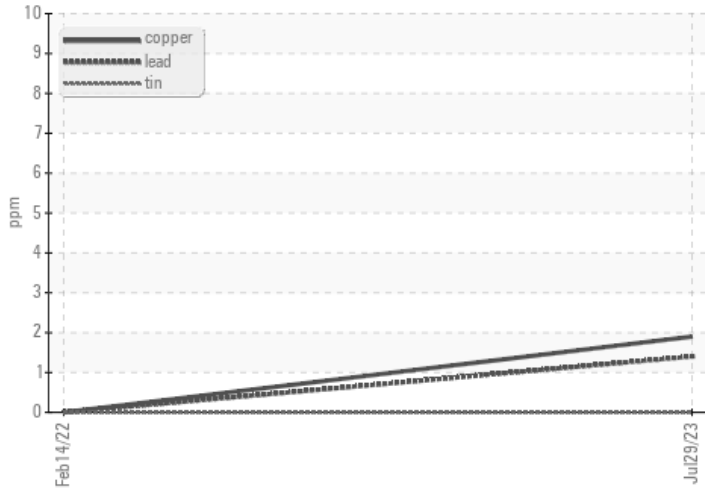


GRAPHS

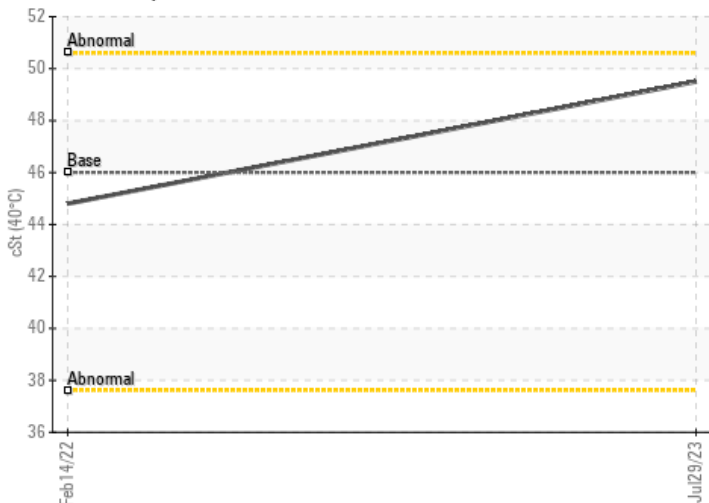
Ferrous Alloys



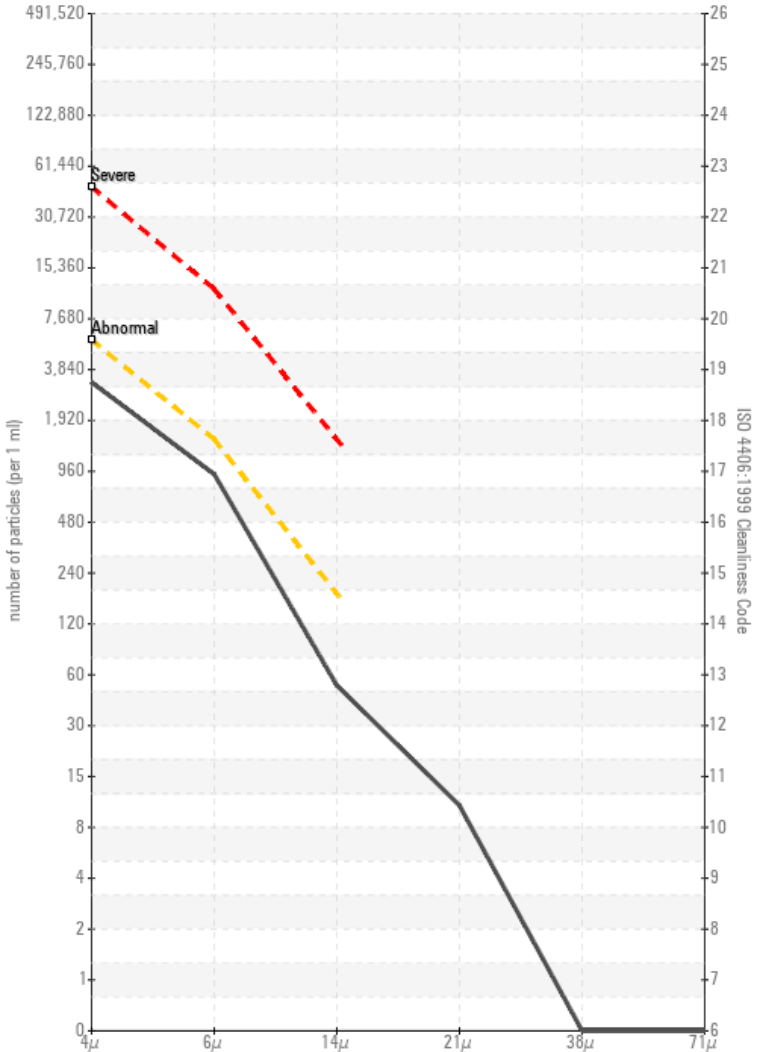
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

