



CONSTRUCTION EQUIPMENT

433110 STONE PLUS VOLVO L30G 3221516 - HYDRAULIC SYSTEM



Sample No: VCP413546
Oil Type: NOT GIVEN
Job No: 433110 STONE PLUS



SAMPLE INFORMATION

Sample Number	VCP413546	VCP0006236	---	---
Sample Date	16 Dec 2023	21 Feb 2023	---	---
Machine Hours	5442	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.3	43.4	---	---
Acid Number (AN)	mg KOH/g	0.39	0.38	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 14530	▲ 13633	---	---
Particles >6µm		▲ 1957	▲ 1378	---	---
Particles >14µm		■ 106	■ 67	---	---
ISO 4406:1999 (c)		21/18/14	21/18/13	---	---
Silicon	ppm	■ 3	■ 2	---	---
Sodium	ppm	■ 0	■ 0	---	---
Potassium	ppm	■ 2	■ 1	---	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	■ 24	■ 16	---	---
Copper	ppm	■ 5	■ 4	---	---
Lead	ppm	■ 3	■ 3	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 2	■ 2	---	---
Chromium	ppm	■ 1	■ <1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	28	12	---	---
Magnesium	ppm	2	<1	---	---
Zinc	ppm	400	411	---	---
Phosphorus	ppm	357	327	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0092
Unique No: 10803723
Signed: Wes Davis
Report Date: 26 Dec 2023

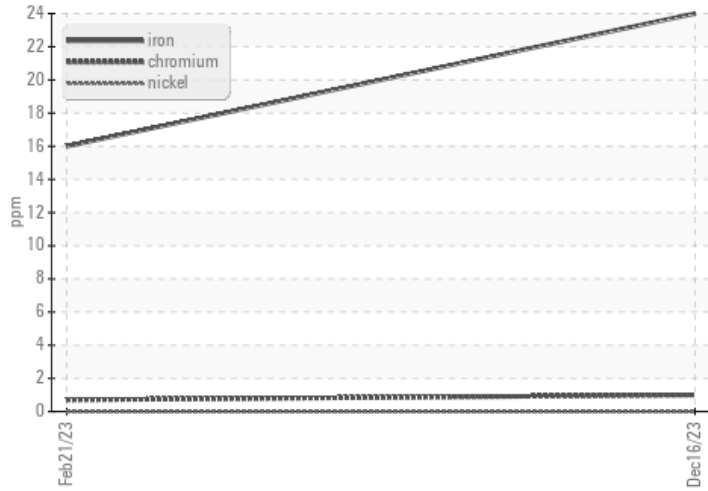


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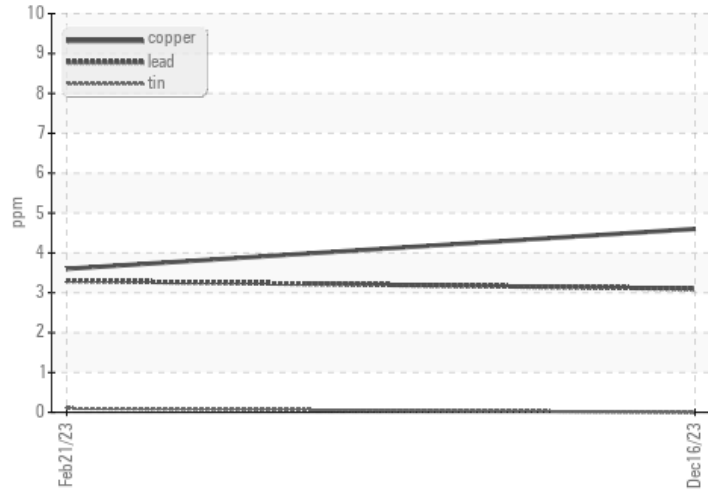


GRAPHS

Ferrous Alloys



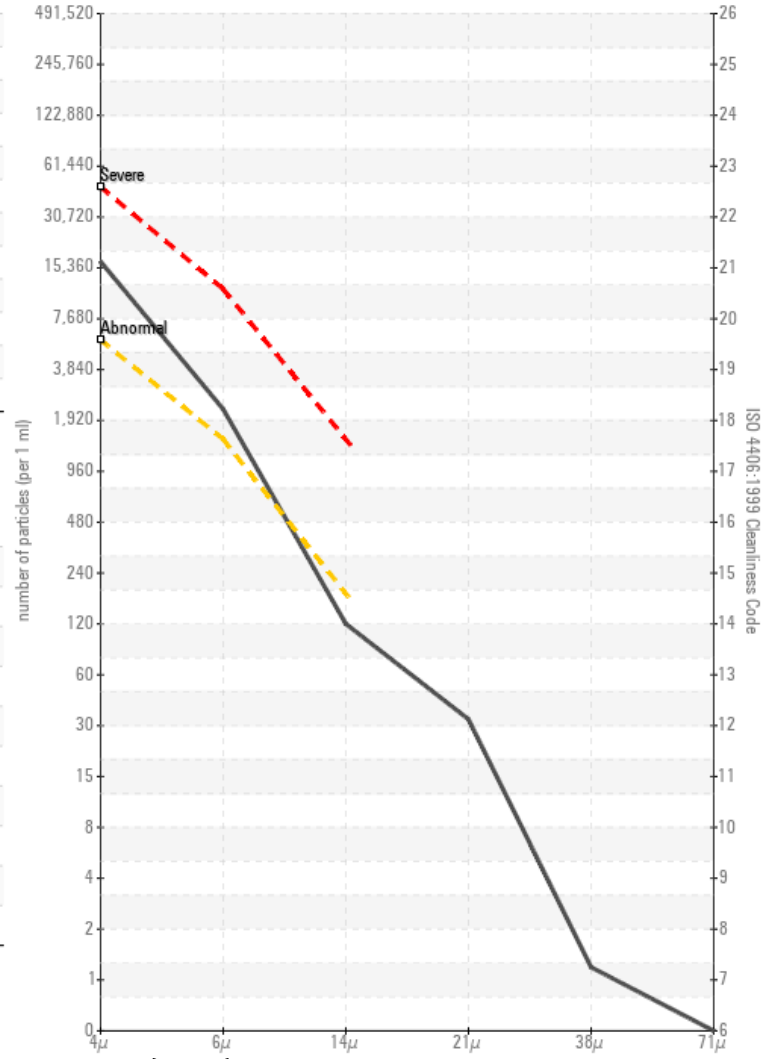
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

