



CONSTRUCTION EQUIPMENT

SWA365795 STONE CO VOLVO L350H 1212 - HYDRAULIC SYSTEM



Sample No: VCP431400
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA365795 STONE CO



SAMPLE INFORMATION

Sample Number	VCP431400	VCP412708	---	---
Sample Date	18 Sep 2023	07 Aug 2023	---	---
Machine Hours	2342	1955	---	---
Oil Hours	0	1955	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.0	█ 42.8	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	█ 0.38	---	---



CONTAMINATION

Particles >4µm		█ 160864	---	---	---
Particles >6µm		▲ 30619	---	---	---
Particles >14µm		█ 18	---	---	---
ISO 4406:1999 (c)		█ 25/22/11	---	---	---
Silicon	ppm	█ 2	█ 4	---	---
Sodium	ppm	█ 3	█ 0	---	---
Potassium	ppm	█ 0	█ <1	---	---

Diagnosis

We recommend you service the filters on this component if applicable for filter micron size. Resample at the next service interval to monitor. Color indicates possible addition of used engine oil, however, oil properties are otherwise normal for hydraulic oil. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Appearance is dark. Additive levels do not indicate the addition of a significant amount of a different type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 5	█ 7	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 54	█ 56	---	---
Magnesium	ppm	█ 2	█ 1	---	---
Zinc	ppm	█ 414	█ 429	---	---
Phosphorus	ppm	█ 322	█ 329	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO2990
Unique No: 10657624
Signed: Doug Bogart
Report Date: 21 Sep 2023

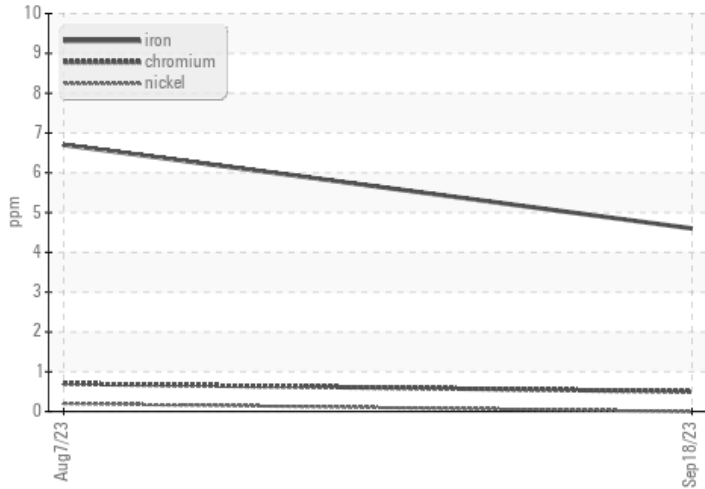


CONSTRUCTION EQUIPMENT

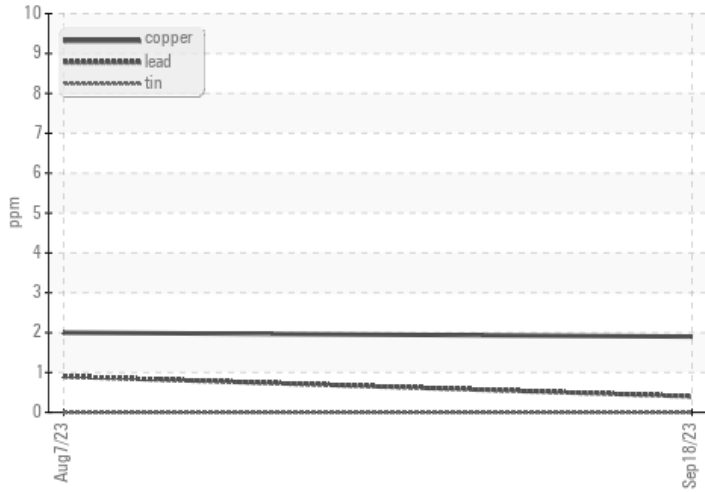


GRAPHS

Ferrous Alloys



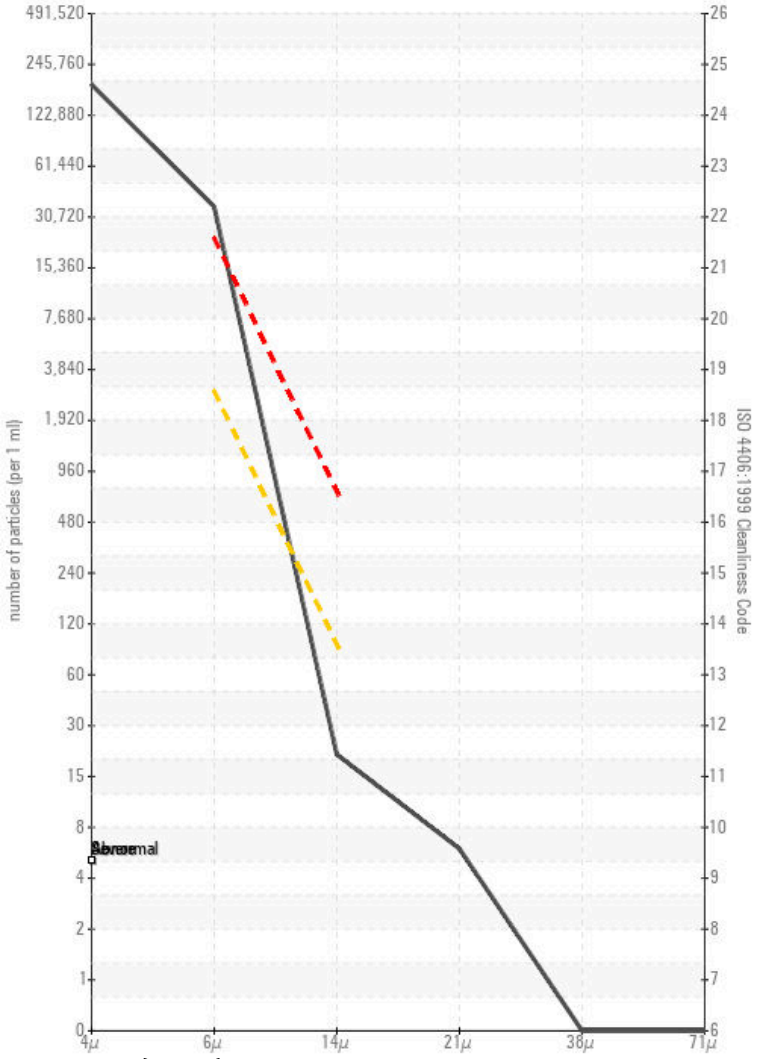
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

