



CONSTRUCTION EQUIPMENT

20903 HELLAS CONSTR VOLVO L110H 631589 - HYDRAULIC SYSTEM



Sample No: VCE237243
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 20903 HELLAS CONSTR



SAMPLE INFORMATION

Sample Number	VCE237243	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	3939	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

520 - ASCENDUM MACHINERY INC - KNOXVILLE
 5730 RUTLEDGE PIKE
 KNOXVILLE, TN
 US 37924
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 T: (865)525-1845
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OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



CONTAMINATION

Particles >4µm		█ 1242	---	---	---
Particles >6µm		█ 193	---	---	---
Particles >14µm		█ 27	---	---	---
ISO 4406:1999 (c)		█ 17/15/12	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 6	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 271	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 546	---	---	---
Phosphorus	ppm	█ 432	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00124
Unique No: 10711756
Signed: Wes Davis
Report Date: 26 Oct 2023

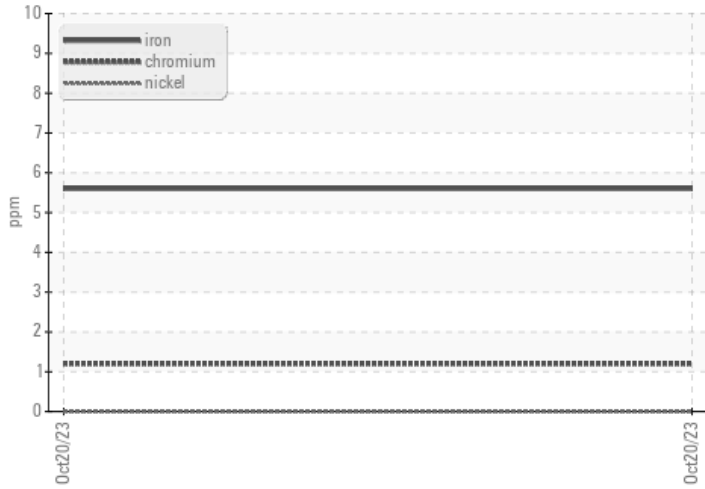


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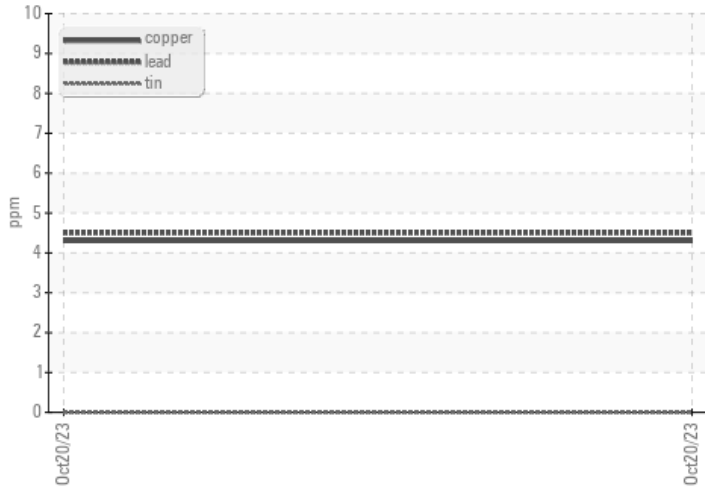


GRAPHS

Ferrous Alloys



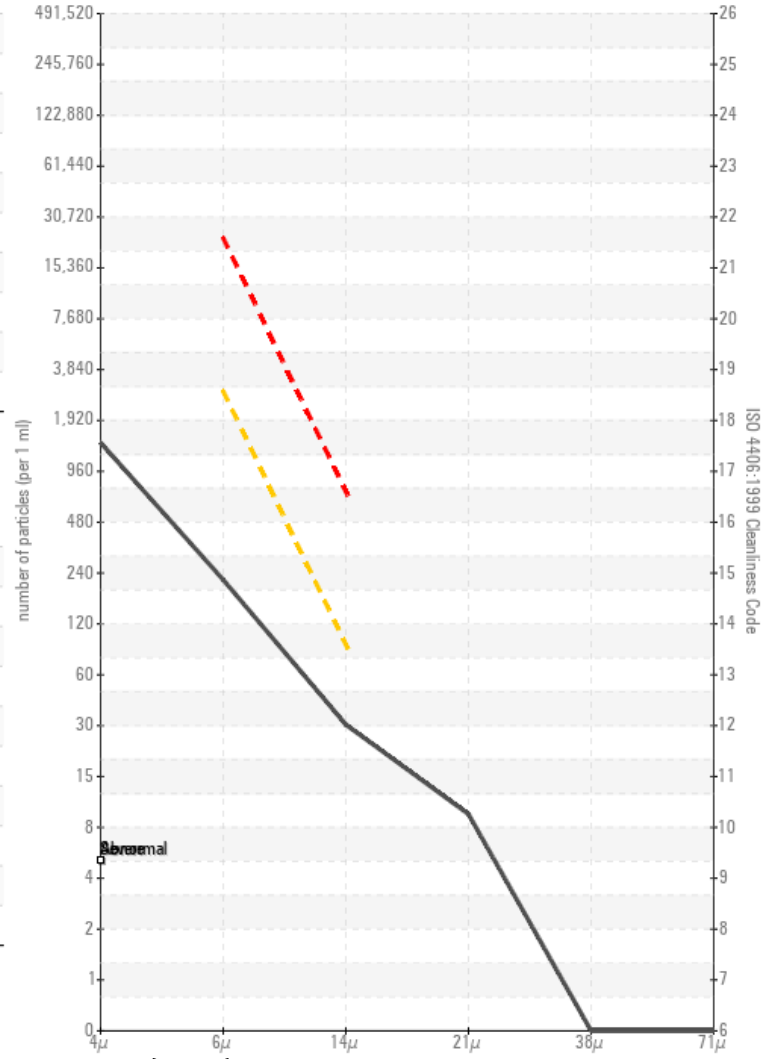
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

