



CONSTRUCTION EQUIPMENT

SW1022825 HYDRO ALUM VOLVO L60H 62256 - HYDRAULIC SYSTEM



Sample No: VCP417380
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW1022825 HYDRO ALUM



SAMPLE INFORMATION

Sample Number	VCP417380	VCP382977	---	---
Sample Date	14 Aug 2023	13 Apr 2023	---	---
Machine Hours	5325	4627	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	█ 42.9	---	---
Acid Number (AN)	mg KOH/g	█ 0.42	█ 0.48	---	---



CONTAMINATION

Particles >4µm		3082	11656	---	---
Particles >6µm		█ 966	▲ 2856	---	---
Particles >14µm		▲ 83	▲ 147	---	---
ISO 4406:1999 (c)		19/17/14	21/19/14	---	---
Silicon	ppm	█ <1	█ 2	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ <1	█ 0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 3	█ 4	---	---
Copper	ppm	█ 2	█ 2	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 4	█ 6	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 5	█ 8	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 60	█ 55	---	---
Magnesium	ppm	█ 6	█ 4	---	---
Zinc	ppm	█ 438	█ 406	---	---
Phosphorus	ppm	█ 336	█ 322	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO6174
Unique No: 10608062
Signed: Wes Davis
Report Date: 21 Aug 2023

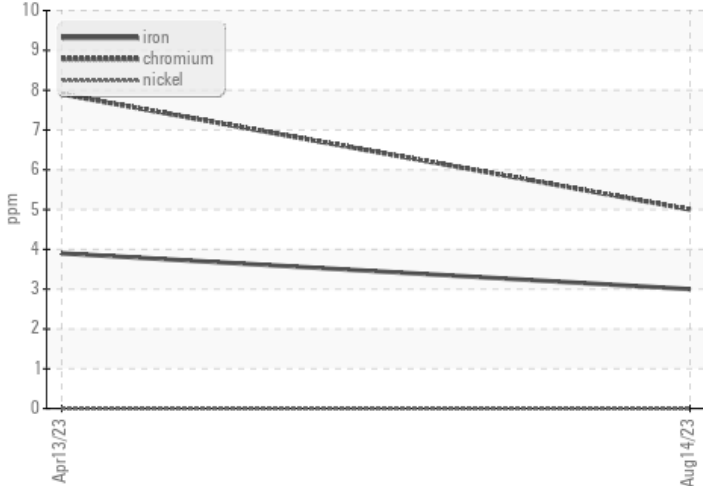


CONSTRUCTION EQUIPMENT

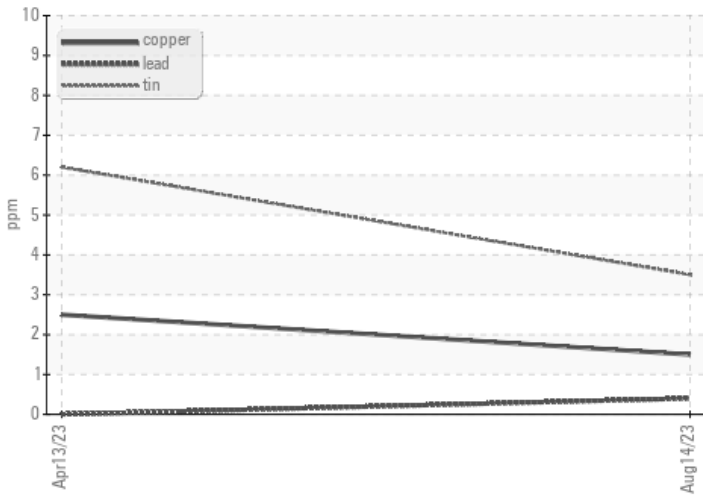


GRAPHS

Ferrous Alloys



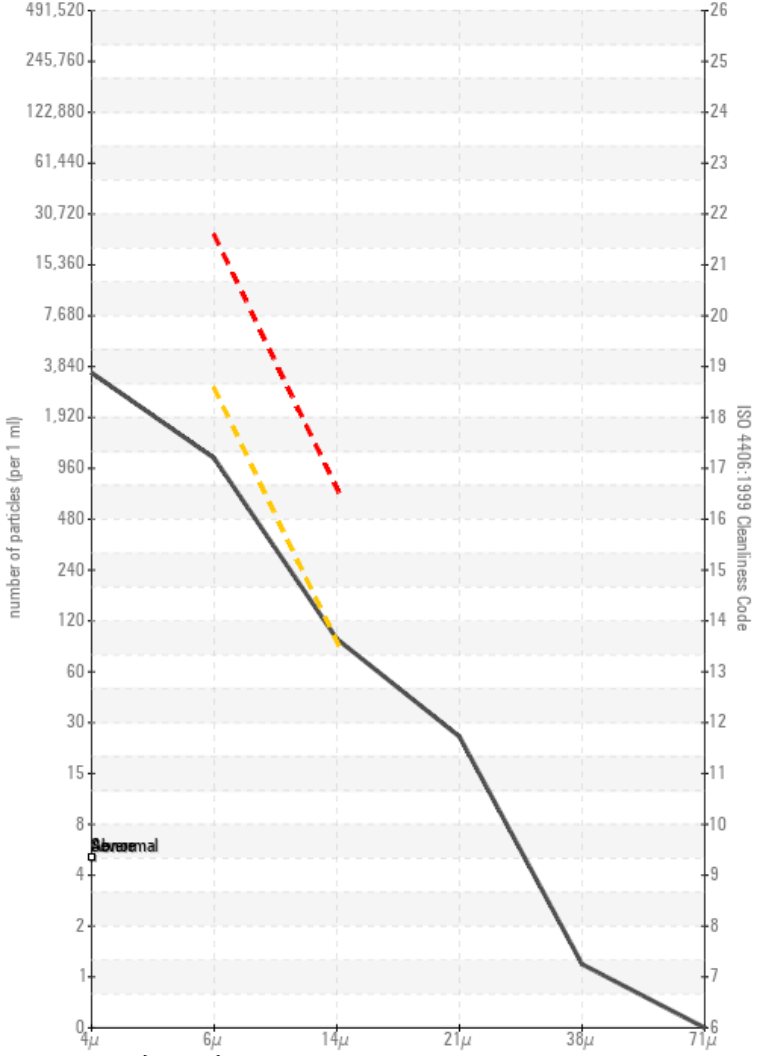
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

