



CONSTRUCTION EQUIPMENT

G08594 VOLVO L70H 624493 - HYDRAULIC SYSTEM



Sample No: VCP438320
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: G08594



HOFFMAN EQUIPMENT - DEPTFORD
 1330 HURFFVILLE ROAD
 DEPTFORD, NJ
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SAMPLE INFORMATION

Sample Number	VCP438320	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	1759	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 6739	---	---	---
Particles >6µm		█ 1137	---	---	---
Particles >14µm		█ 46	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 63	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 447	---	---	---
Phosphorus	ppm	█ 324	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 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.

Depot: VOLVO8880
Unique No: 10993053
Signed: Wes Davis
Report Date: 24 Apr 2024

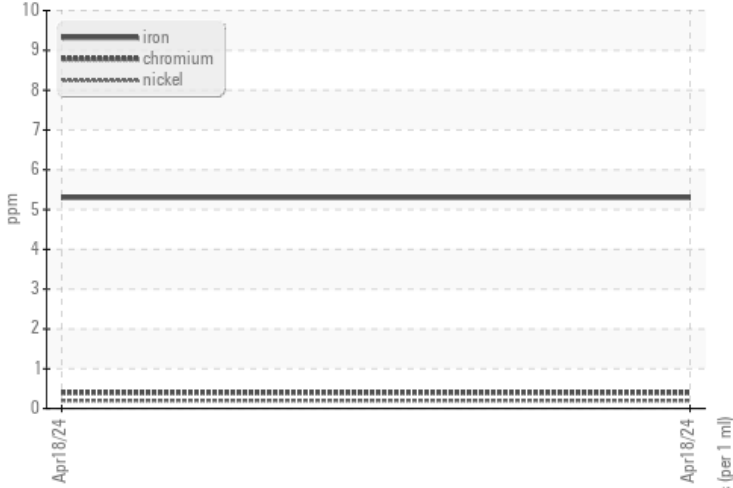


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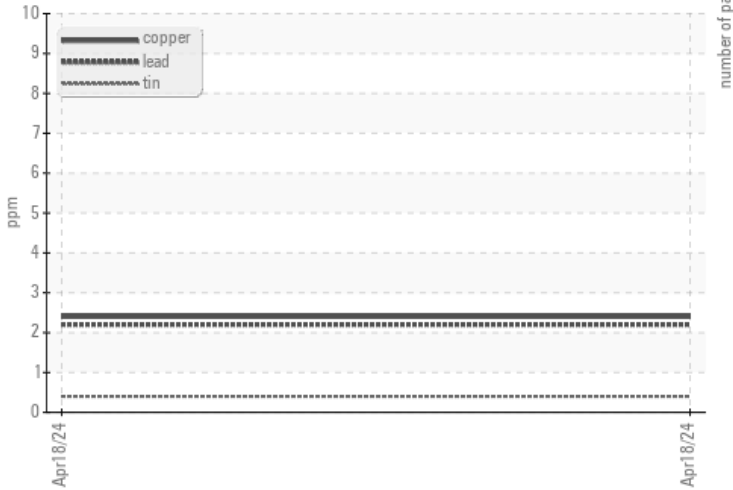


VOLVO GRAPHS

Ferrous Alloys



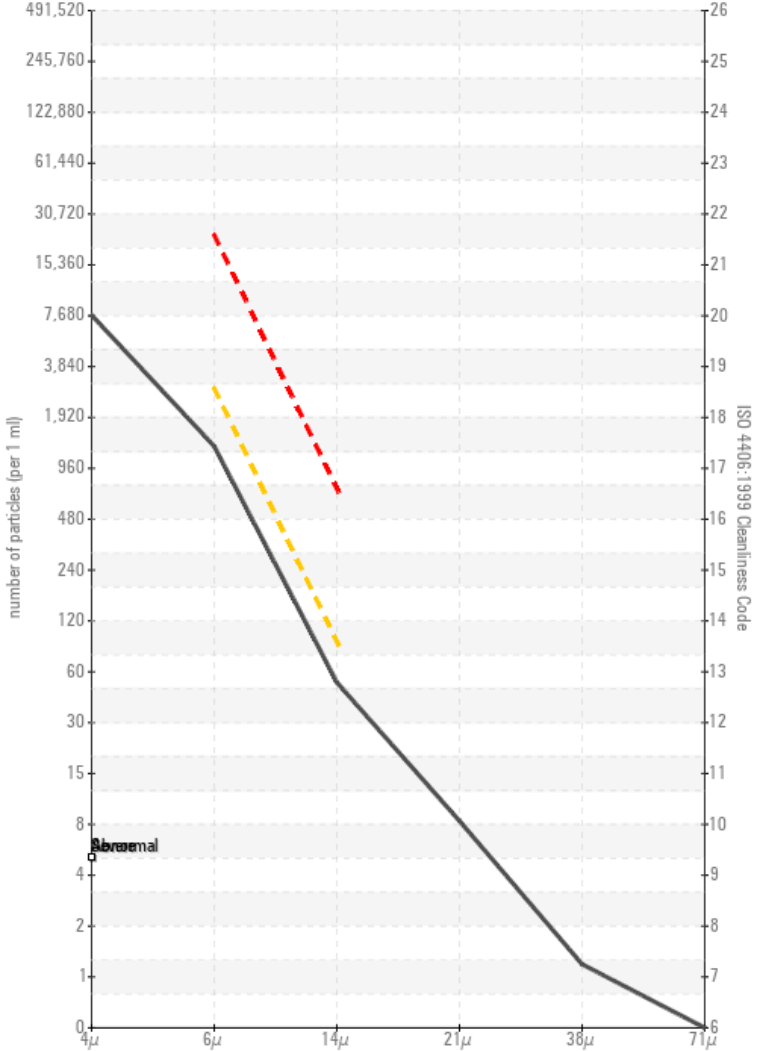
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

