



CONSTRUCTION EQUIPMENT

600327 WASTE MGMT VOLVO L120H 632093 - HYDRAULIC SYSTEM



Sample No: VCP404719
Oil Type: VOLVO SUPER HYD 68
Job No: 600327 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP404719	VCP379876	VCP424170	---
Sample Date	16 Jul 2024	19 Apr 2024	21 Sep 2023	---
Machine Hours	21302	20875	19017	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	42.8	42.9	42.6	---
Acid Number (AN)	mg KOH/g	0.43	0.44	0.40	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		7543	24032	4189	---
Particles >6µm		2601	7663	1532	---
Particles >14µm		259	607	134	---
ISO 4406:1999 (c)		20/19/15	22/20/16	19/18/14	---
Silicon	ppm	<1	0	2	---
Sodium	ppm	1	<1	0	---
Potassium	ppm	0	0	1	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 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	0	0	2	---
Copper	ppm	0	0	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	64	58	60	---
Magnesium	ppm	<1	<1	2	---
Zinc	ppm	472	465	441	---
Phosphorus	ppm	371	379	331	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO1271
Unique No: 11130431
Signed: Wes Davis
Report Date: 22 Jul 2024

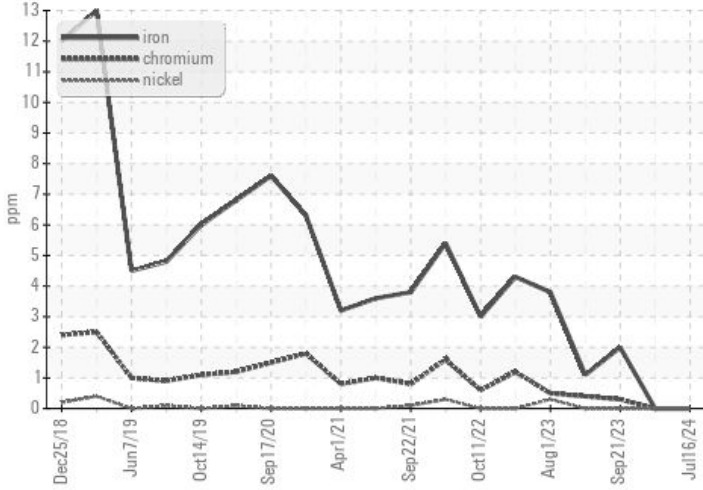


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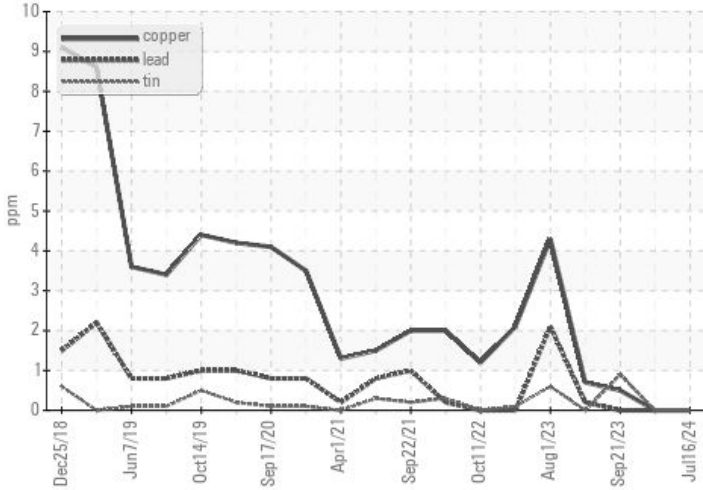


GRAPHS

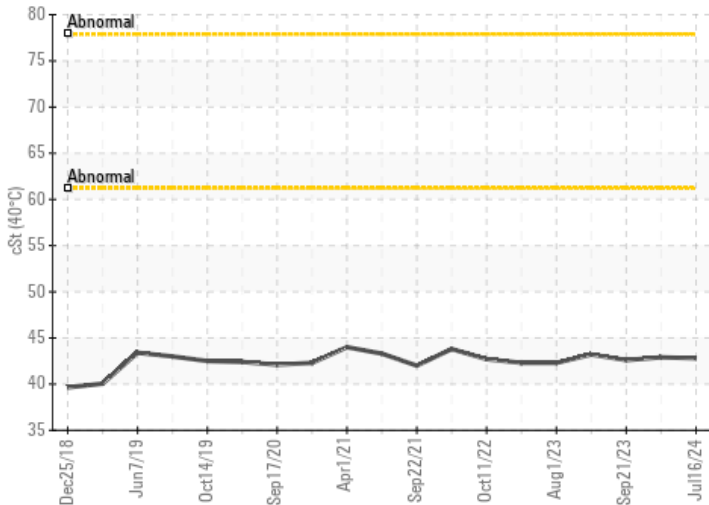
Ferrous Alloys



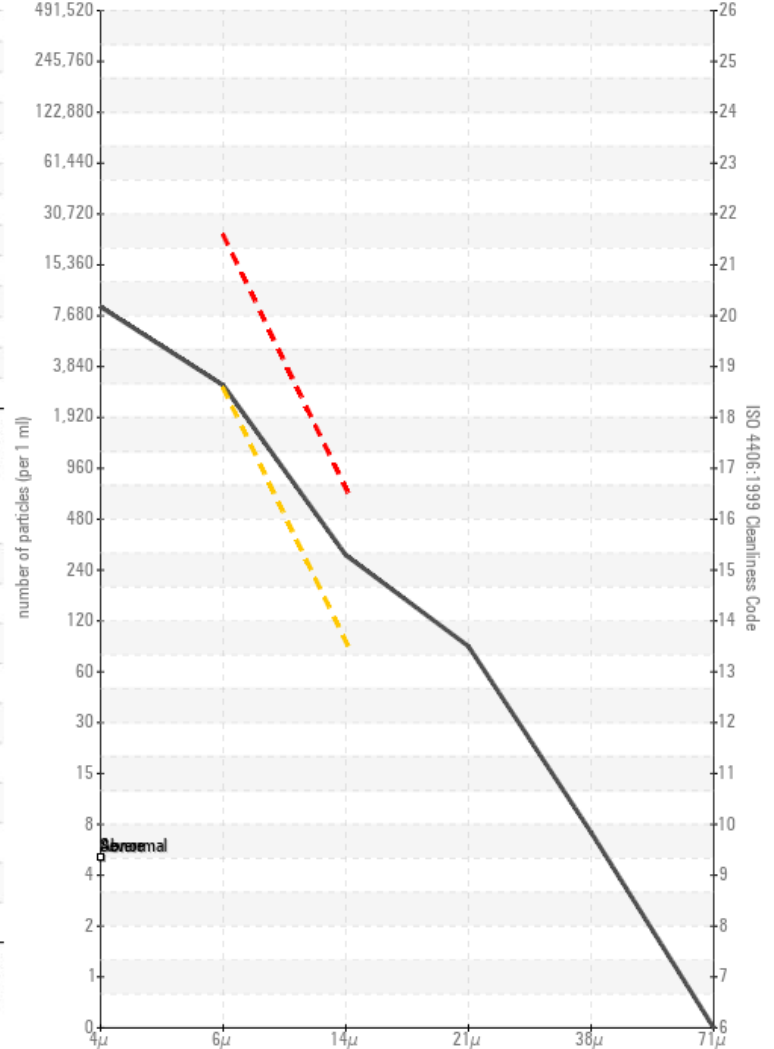
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

