



CONSTRUCTION EQUIPMENT

W02008186 VOLVO A30D 14025 - HYDRAULIC SYSTEM



Sample No: ML0001592

Oil Type: {unknown}

Job No: W02008186



SAMPLE INFORMATION

Sample Number	ML0001592	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	21012	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



WILLIAM HAZEL

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CHANTILLY, VA
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T: (703)378-8300

F:



OIL CONDITION

Visc @ 40°C	cSt	█ 49.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.72	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 31276	---	---	---
Particles >6µm		█ 1084	---	---	---
Particles >14µm		█ 43	---	---	---
ISO 4406:1999 (c)		22/17/13	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	█ 6	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2239	---	---	---
Magnesium	ppm	24	---	---	---
Zinc	ppm	925	---	---	---
Phosphorus	ppm	822	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	73	---	---	---

Depot: WILCHA

Unique No: 10980310

Signed: Don Baldrige

Report Date: 18 Apr 2024

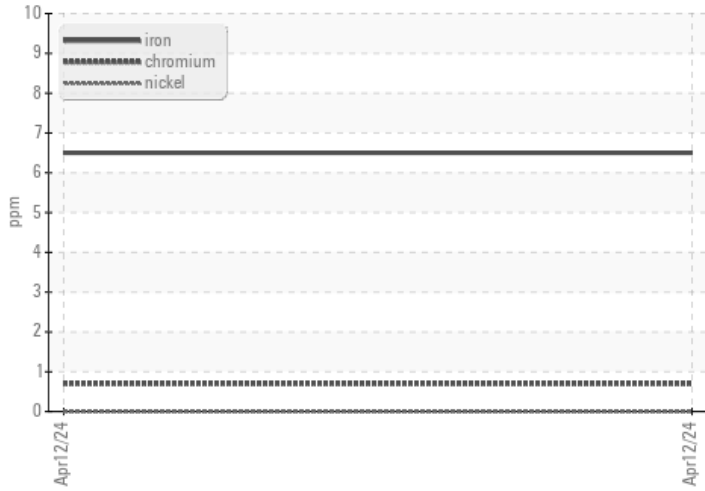


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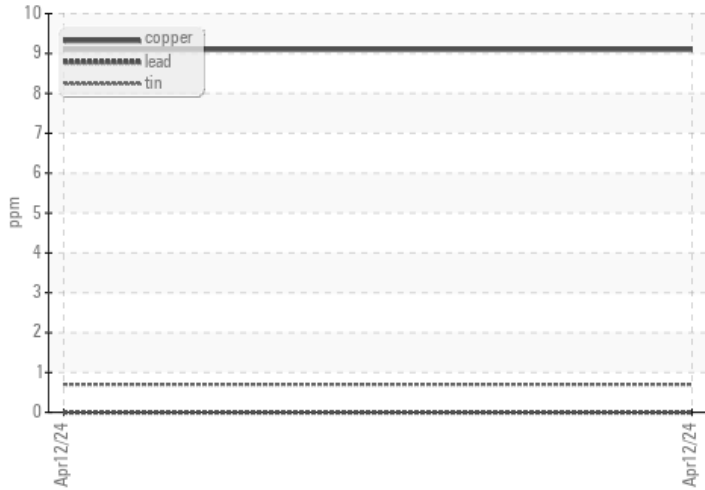


GRAPHS

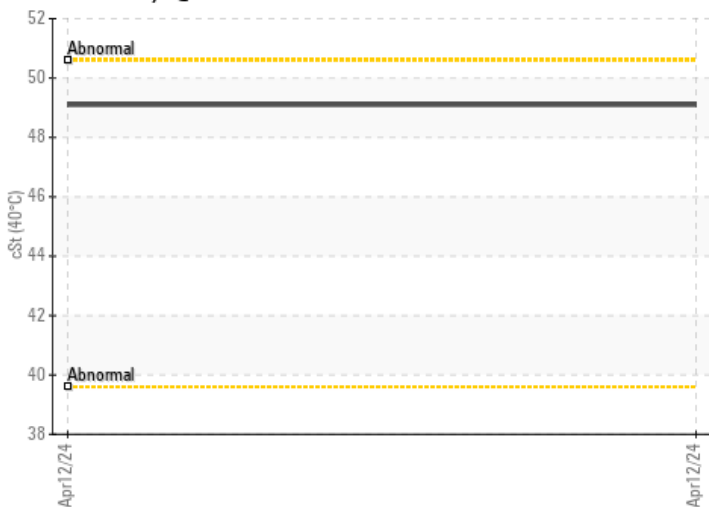
Ferrous Alloys



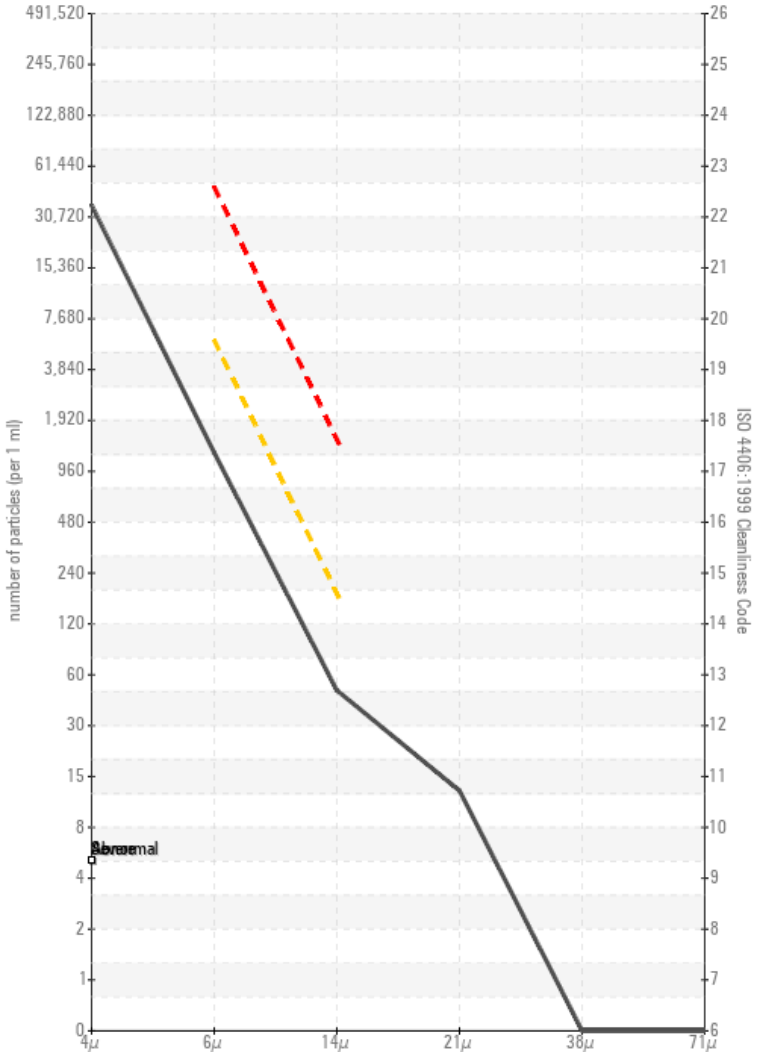
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

