



CONSTRUCTION EQUIPMENT

VOLVO A40G 352236 - HYDRAULIC SYSTEM



Sample No: VCP0008034
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008034	VCP388980	---	---
Sample Date	05 Sep 2023	29 Jul 2022	---	---
Machine Hours	6099	6099	---	---
Oil Hours	6099	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 8750 PHILIPS HWY
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 US 32256
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OIL CONDITION

Visc @ 40°C	cSt	45.2	39.3	---	---
Acid Number (AN)	mg KOH/g	0.53	0.35	---	---



CONTAMINATION

Particles >4µm		1734	3245	---	---
Particles >6µm		466	883	---	---
Particles >14µm		37	55	---	---
ISO 4406:1999 (c)		18/16/12	19/17/13	---	---
Silicon	ppm	<1	2	---	---
Sodium	ppm	0	0	---	---
Potassium	ppm	0	<1	---	---

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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	366	97	---	---
Magnesium	ppm	5	5	---	---
Zinc	ppm	517	419	---	---
Phosphorus	ppm	412	311	---	---
Barium	ppm	6	0	---	---
Boron	ppm	10	<1	---	---

Depot: VOLVO0092
Unique No: 10635122
Signed: Wes Davis
Report Date: 08 Sep 2023

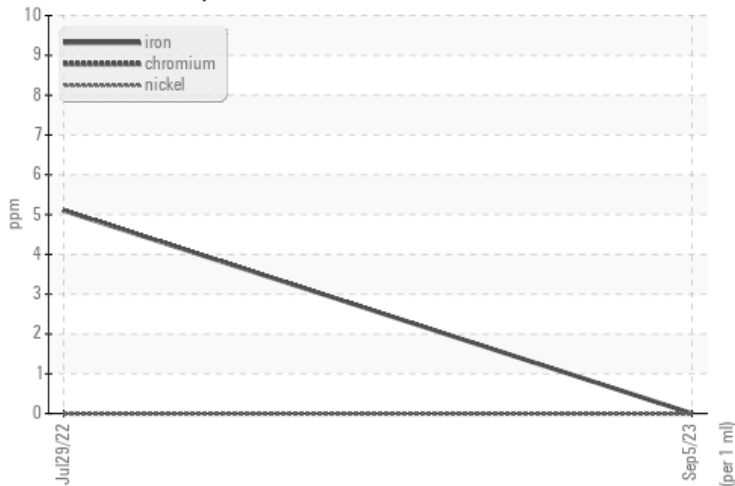


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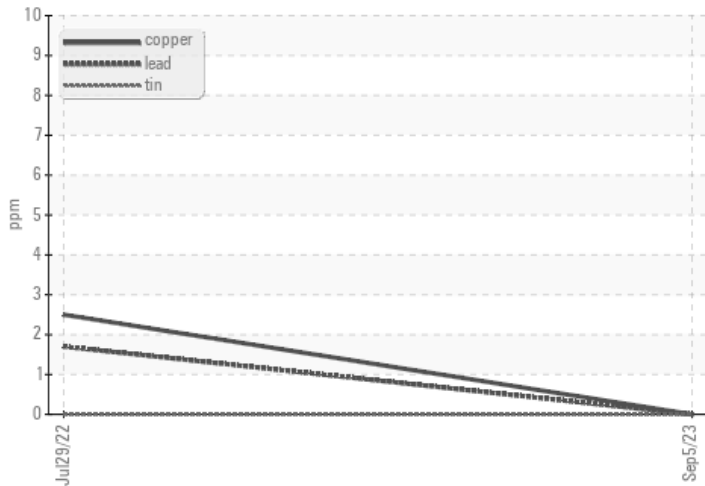


GRAPHS

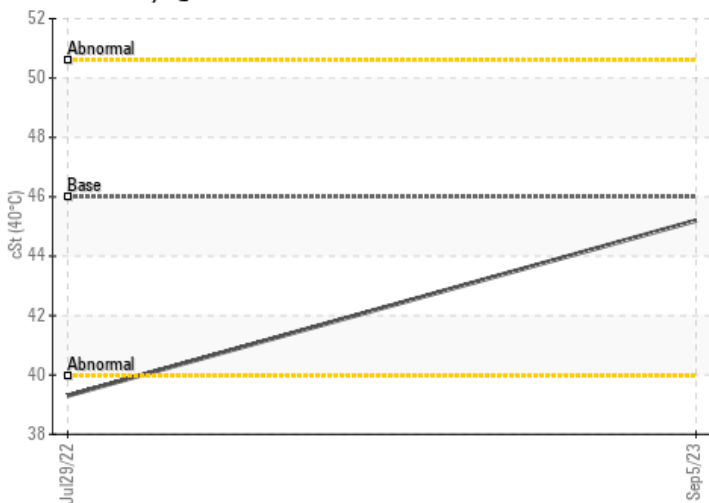
Ferrous Alloys



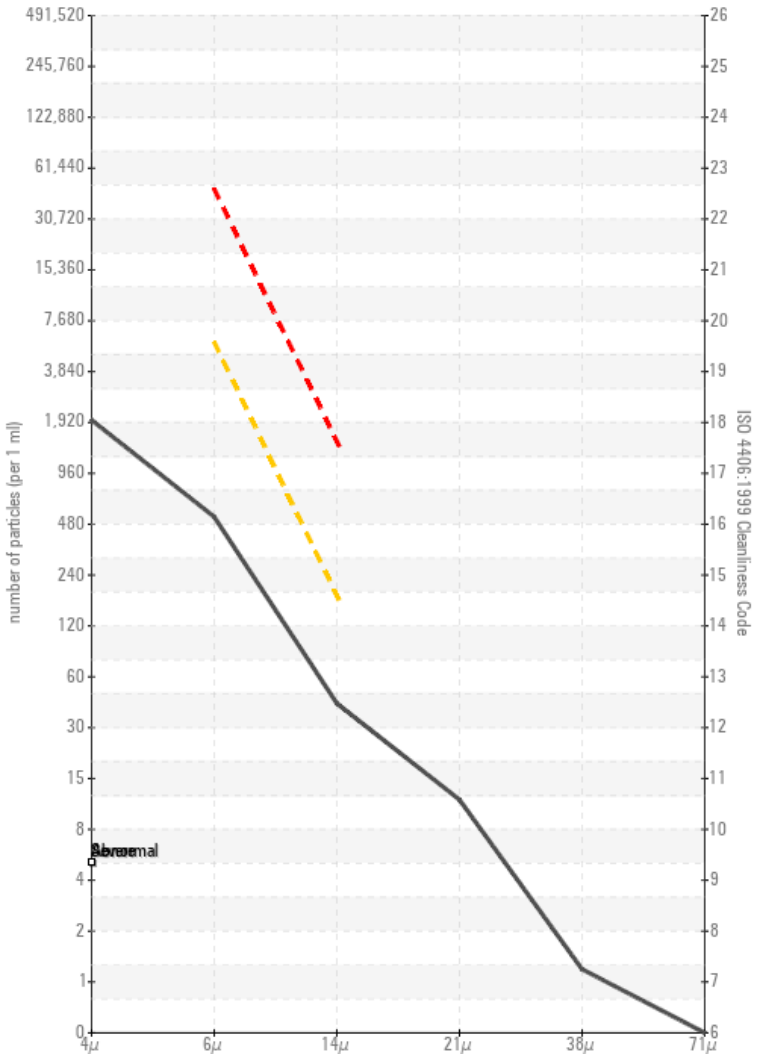
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

