



CONSTRUCTION EQUIPMENT

VOLVO A40G 343662 (S/N 342662) - HYDRAULIC SYSTEM



Sample No: VCP0008181
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP0008181	---	---	---
Sample Date	16 Jul 2024	---	---	---
Machine Hours	6726	---	---	---
Oil Hours	6726	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 8750 PHILIPS HWY
 JACKSONVILLE, FL
 US 32256
 Contact: TECHNICIAN ACCOUNT
 catherine.anastasio@wearcheck.com
 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 47.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.38	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 5609	---	---	---
Particles >6µm		█ 800	---	---	---
Particles >14µm		█ 63	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

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	█ 9	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 49	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 431	---	---	---
Phosphorus	ppm	█ 309	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0092
Unique No: 11129064
Signed: Wes Davis
Report Date: 19 Jul 2024

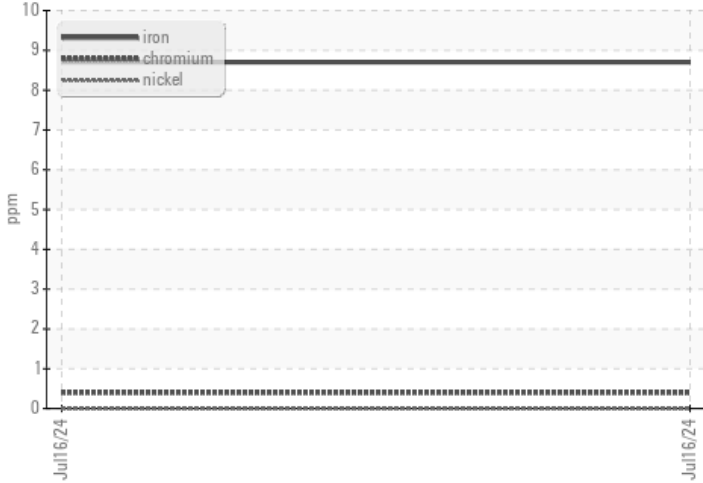


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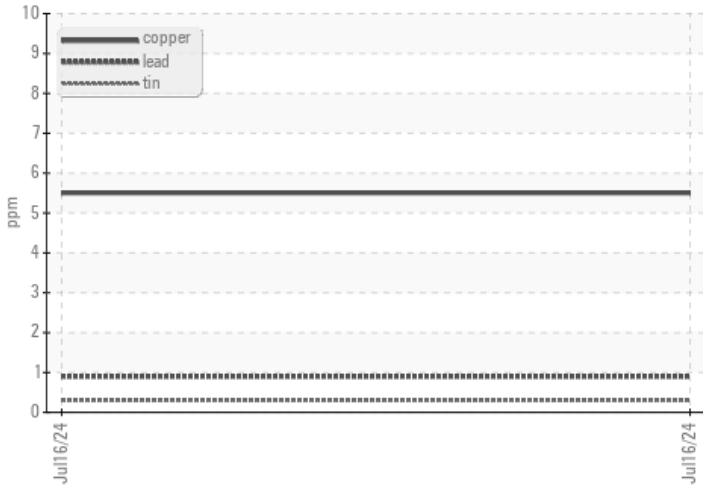


VOLVO GRAPHS

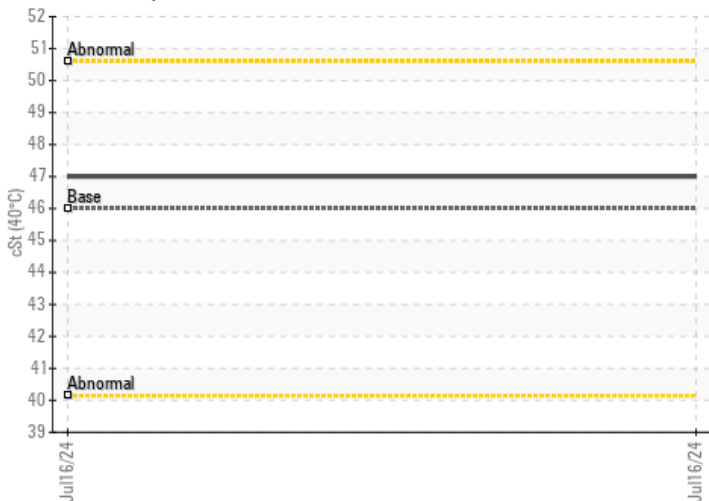
Ferrous Alloys



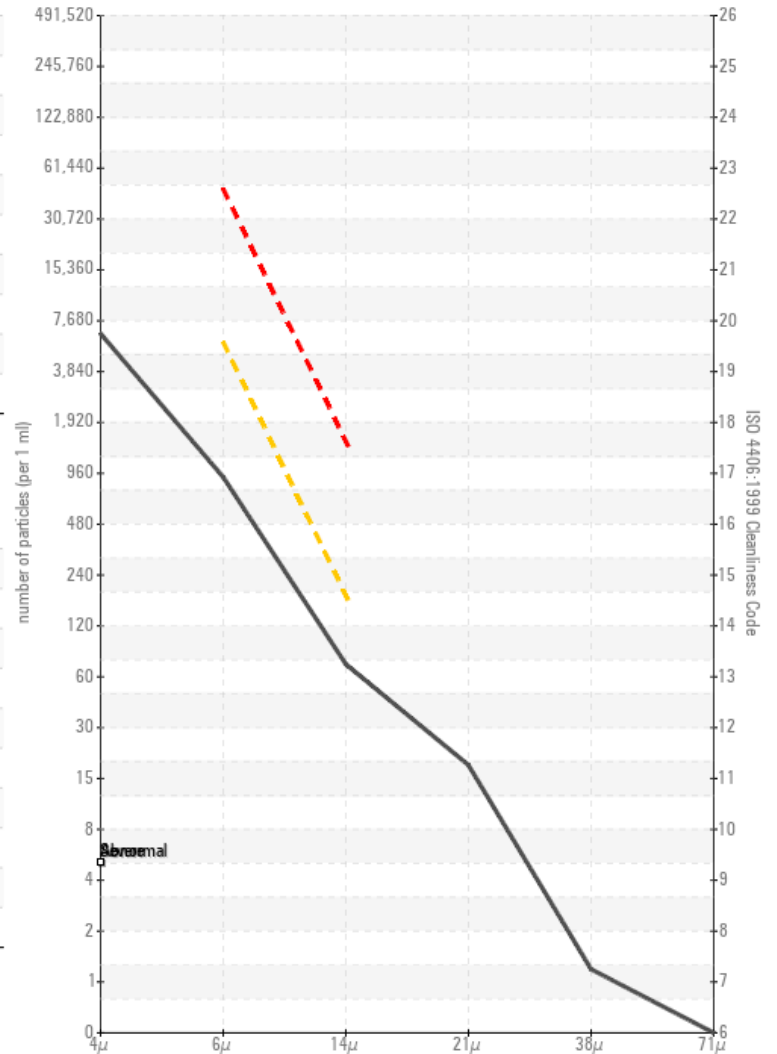
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

