



CONSTRUCTION EQUIPMENT

354156 NEW ENTERPRIS VOLVO A40G 341524 - HYDRAULIC SYSTEM



Sample No: VCP419169
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 354156 NEW ENTERPRIS



SAMPLE INFORMATION

Sample Number	VCP419169	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	8780	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.33	---	---	---



CONTAMINATION

Particles >4µm		█ 1664	---	---	---
Particles >6µm		█ 233	---	---	---
Particles >14µm		█ 17	---	---	---
ISO 4406:1999 (c)		█ 18/15/11	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 251	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 470	---	---	---
Phosphorus	ppm	█ 390	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VOLV00142
Unique No: 10643169
Signed: Don Baldrige
Report Date: 13 Sep 2023

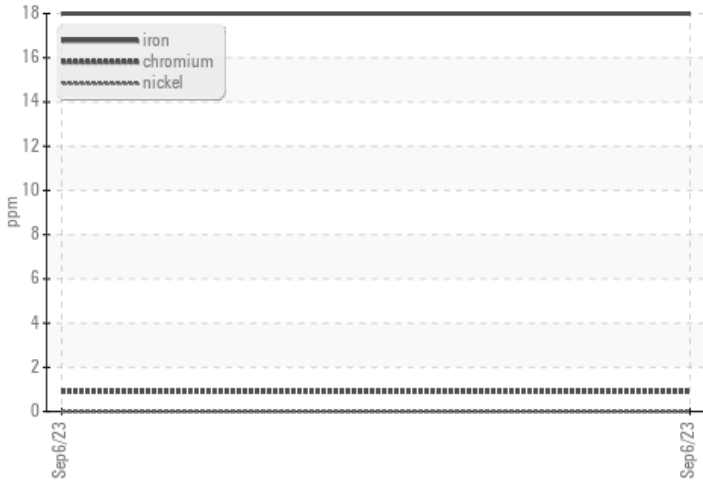


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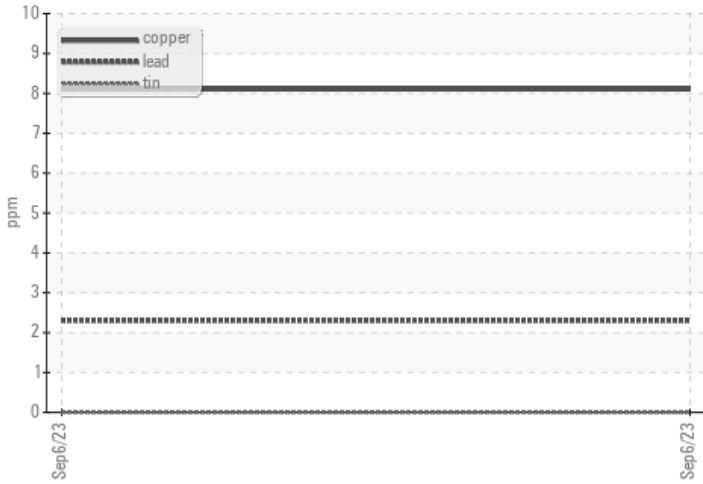


VOLVO GRAPHS

Ferrous Alloys



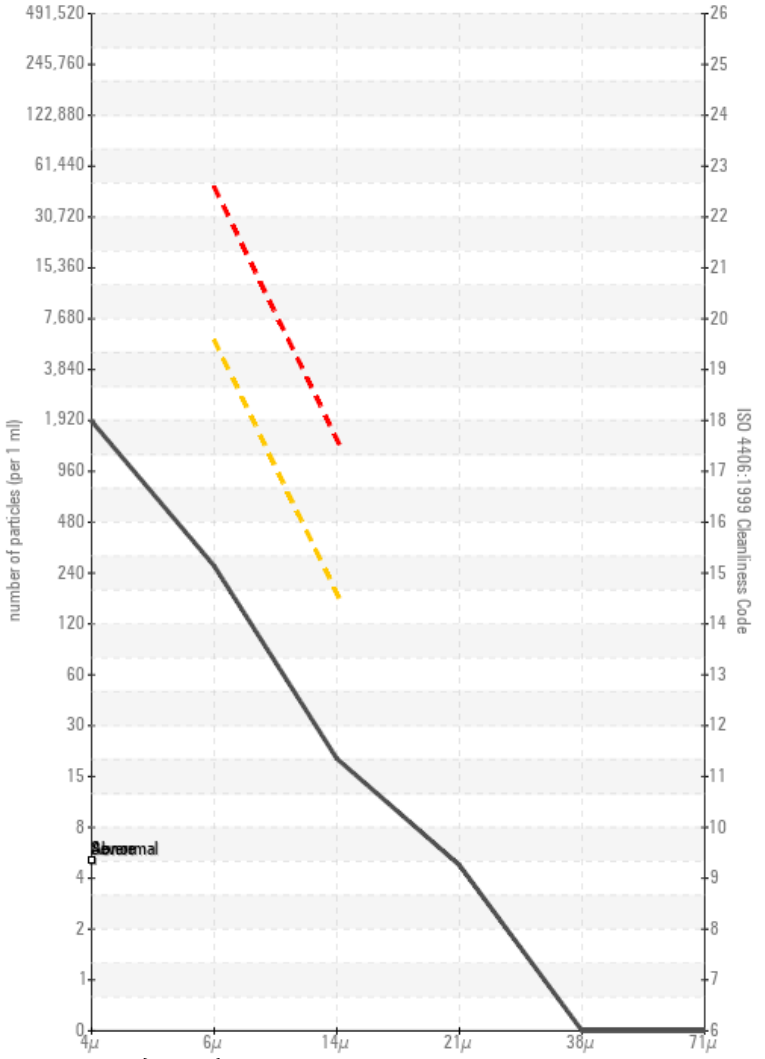
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

