



CONSTRUCTION EQUIPMENT

ATLAS ORGANICS VOLVO EC220EL 314414 - HYDRAULIC SYSTEM



Sample No: VCP442744
Oil Type: NOT GIVEN
Job No: ATLAS ORGANICS



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SAMPLE INFORMATION

Sample Number	VCP442744	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	2019	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.53	---	---	---

CONTAMINATION

Particles >4µm	█ 22329	---	---	---	
Particles >6µm	█ 3456	---	---	---	
Particles >14µm	█ 162	---	---	---	
ISO 4406:1999 (c)	22/19/15	---	---	---	
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ 26	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	72	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	455	---	---	---
Phosphorus	ppm	364	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 10W AW Hydraulic Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. 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.

Depot: VOLVO0093
Unique No: 10700839
Signed: Wes Davis
Report Date: 25 Oct 2023

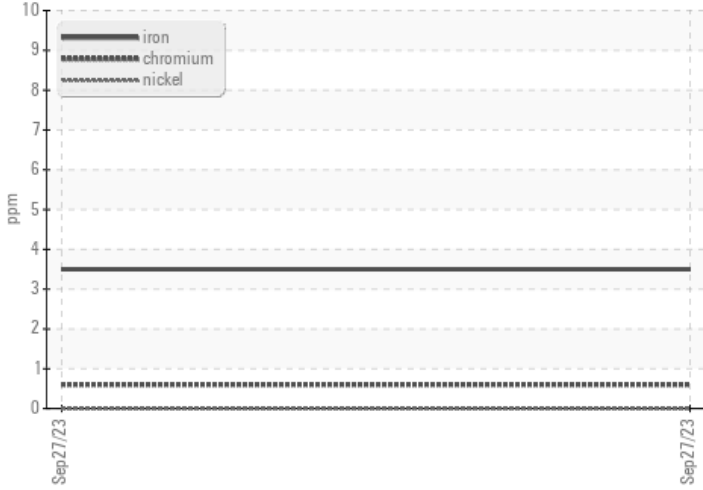


CONSTRUCTION EQUIPMENT

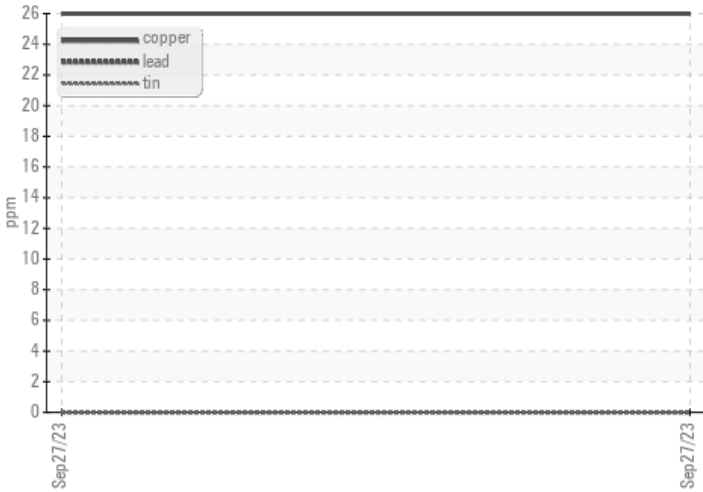


VOLVO GRAPHS

Ferrous Alloys



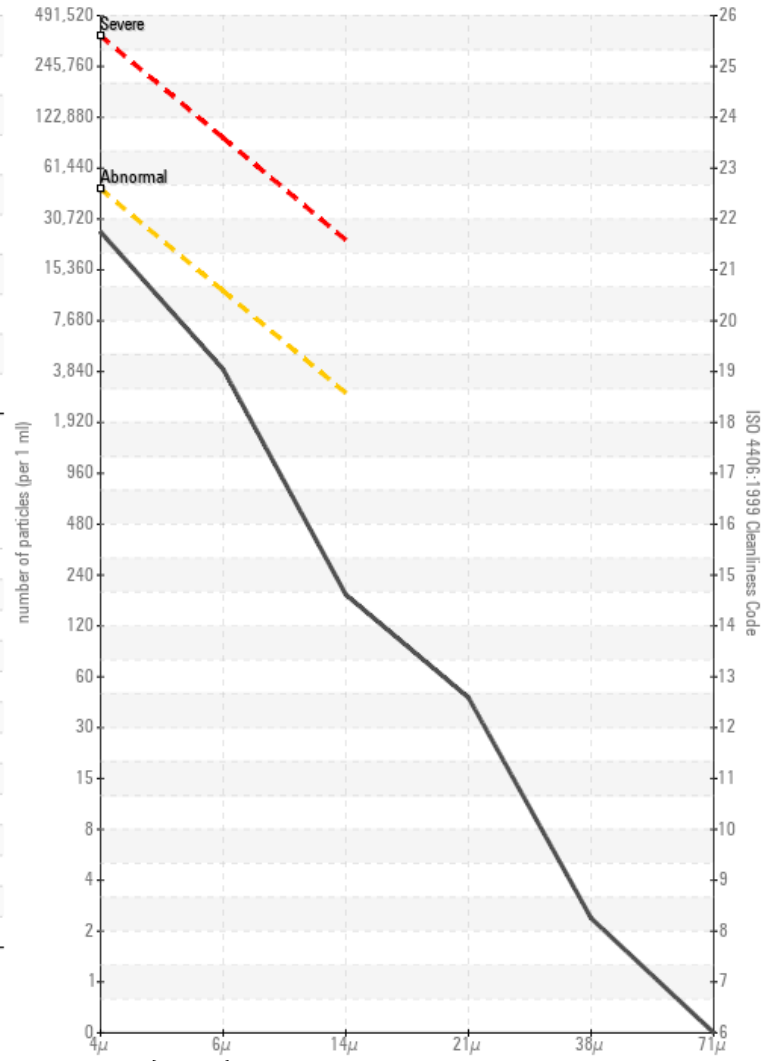
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

