



CONSTRUCTION EQUIPMENT

X14145 ATOMIC VOLVO EC220EL 314686 - HYDRAULIC SYSTEM



Sample No: VCP399010
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X14145 ATOMIC



SAMPLE INFORMATION

Sample Number	VCP399010	---	---	---
Sample Date	15 May 2024	---	---	---
Machine Hours	3415	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 40.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1791	---	---	---
Particles >6µm		█ 106	---	---	---
Particles >14µm		█ 8	---	---	---
ISO 4406:1999 (c)		18/14/10	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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	█ 7	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 76	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 448	---	---	---
Phosphorus	ppm	█ 363	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO6241
Unique No: 11035559
Signed: Wes Davis
Report Date: 21 May 2024

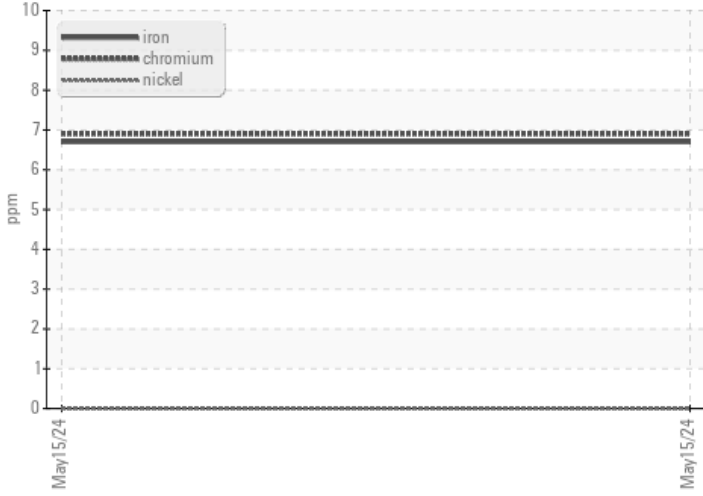


CONSTRUCTION EQUIPMENT

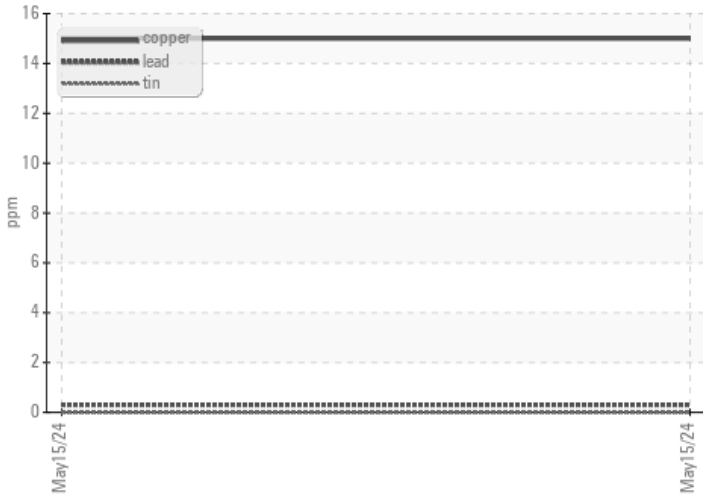


VOLVO GRAPHS

Ferrous Alloys



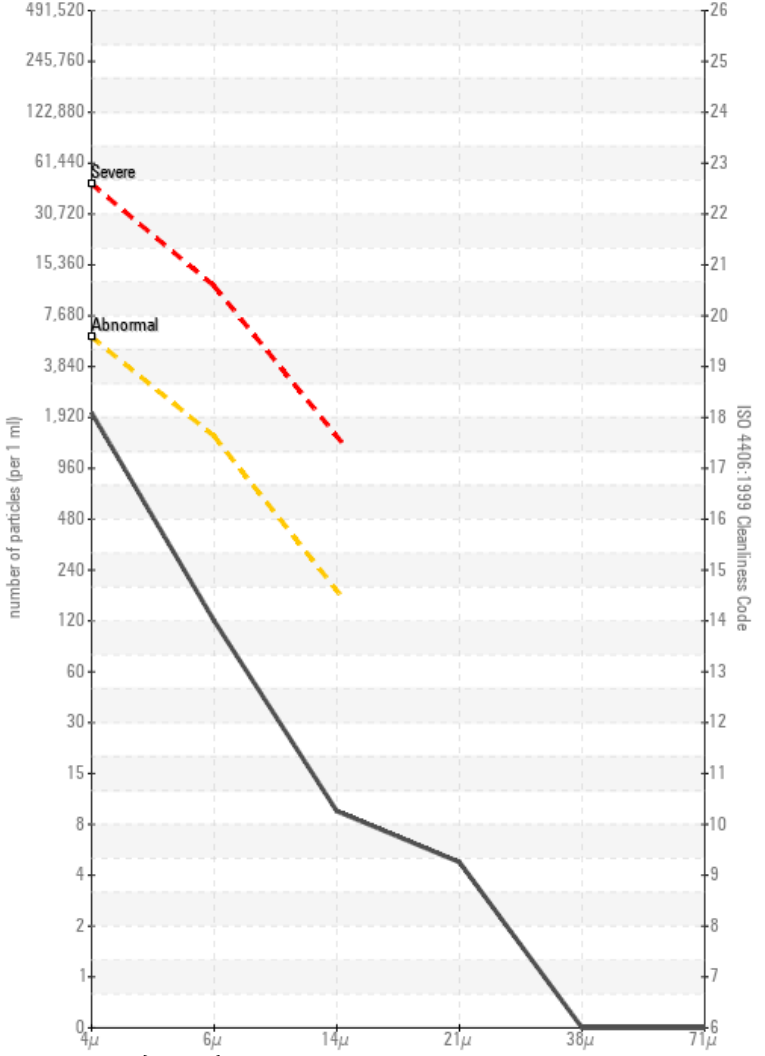
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

