



CONSTRUCTION EQUIPMENT

473401 ALTER BARTONV SENNEBOGEN 830 830.0.3516 - HYDRAULIC SYSTEM



Sample No: VCP434750
Oil Type: VOLVO/SHELL ISO 46
Job No: 473401 ALTER BARTONV



SAMPLE INFORMATION

Sample Number	VCP434750	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	2053	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705

Contact: JUSTIN PERRY
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 T: (309)533-9285
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 36.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.02	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 1968	---	---	---
Particles >6µm		■ 356	---	---	---
Particles >14µm		■ 29	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 3	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1041	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	657	---	---	---
Phosphorus	ppm	541	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO5054
Unique No: 10983087
Signed: Jonathan Hester
Report Date: 24 Apr 2024

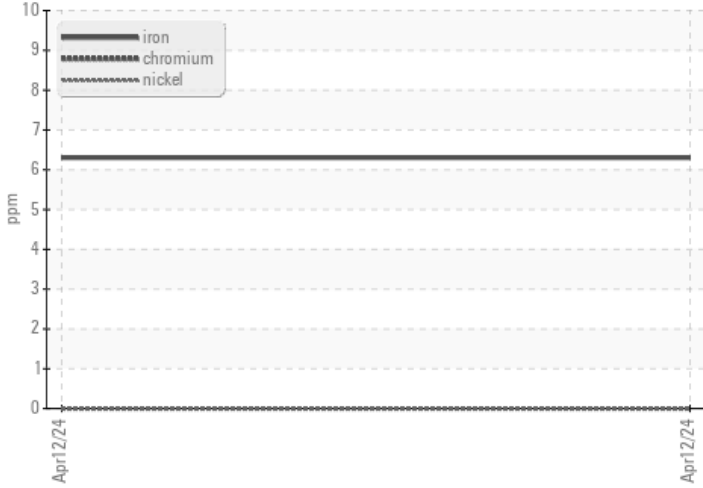


CONSTRUCTION EQUIPMENT

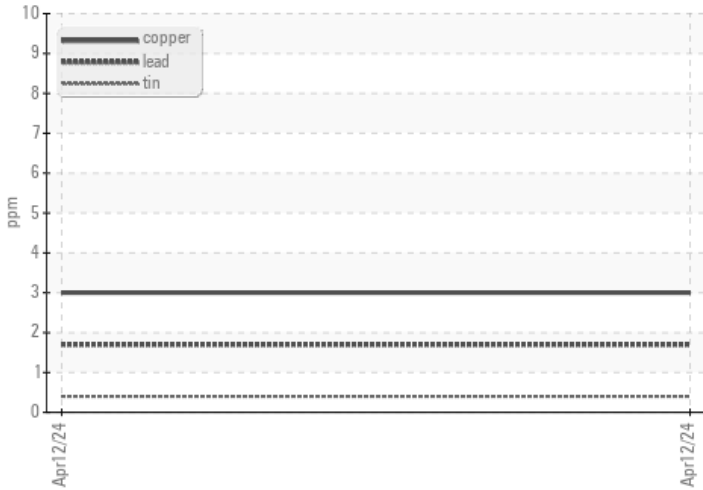


GRAPHS

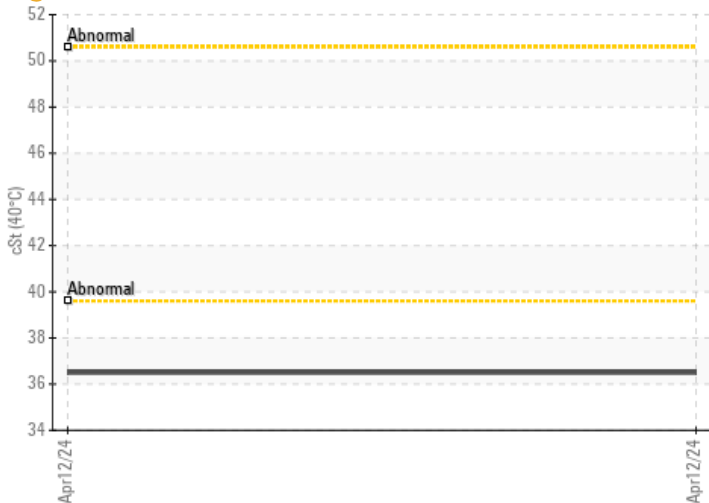
Ferrous Alloys



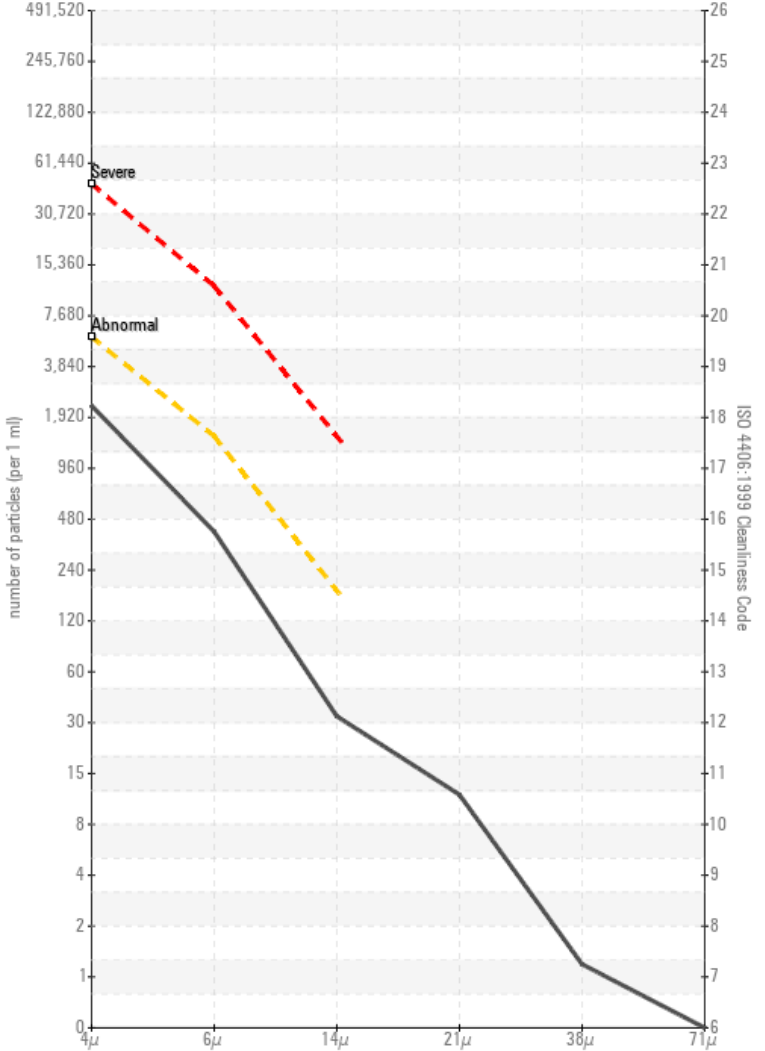
Non-ferrous Metals



● Viscosity @ 40°C



Particle Count



Acid Number

