



CONSTRUCTION EQUIPMENT

SPM702170 ALTER SB SENNEBOGEN 840E 840.0.2195 - HYDRAULIC SYSTEM



Sample No: VCP439223
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM702170 ALTER SB



SAMPLE INFORMATION

Sample Number	VCP439223	VCP392956	VCP299325	---
Sample Date	16 Apr 2024	04 Apr 2023	14 Jul 2021	---
Machine Hours	11148	8847	4095	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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F:



OIL CONDITION

Visc @ 40°C	cSt	43.3	42.9	42.2	---
Acid Number (AN)	mg KOH/g	0.48	0.42	0.458	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4946	3217	191	---
Particles >6µm		335	475	17	---
Particles >14µm		21	19	2	---
ISO 4406:1999 (c)		19/16/12	19/16/11	15/11/9	---
Silicon	ppm	<1	2	<1	---
Sodium	ppm	<1	0	<1	---
Potassium	ppm	0	<1	<1	---

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	0	2	2	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	0	0	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	3	6	4	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	125	144	267	---
Magnesium	ppm	30	42	20	---
Zinc	ppm	472	490	491	---
Phosphorus	ppm	385	390	374	---
Barium	ppm	0	0	0	---
Boron	ppm	5	10	7	---

Depot: VOLVO8885
Unique No: 11003481
Signed: Wes Davis
Report Date: 30 Apr 2024

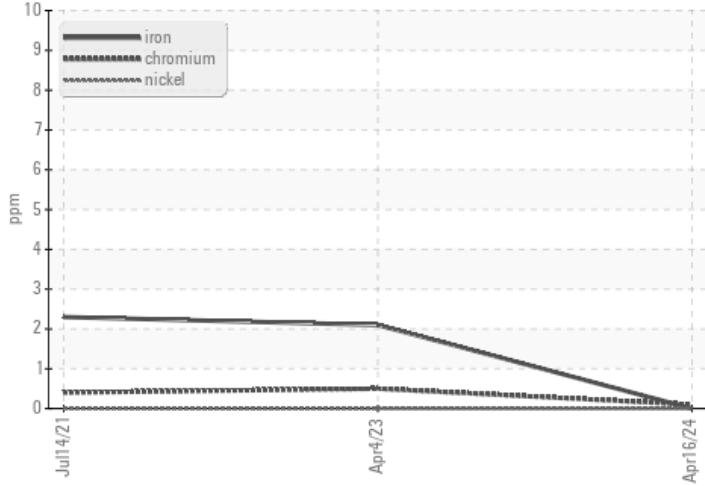


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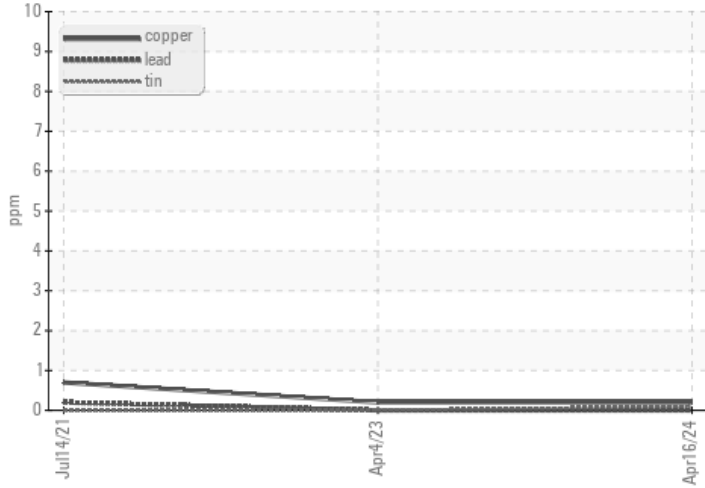


VOLVO GRAPHS

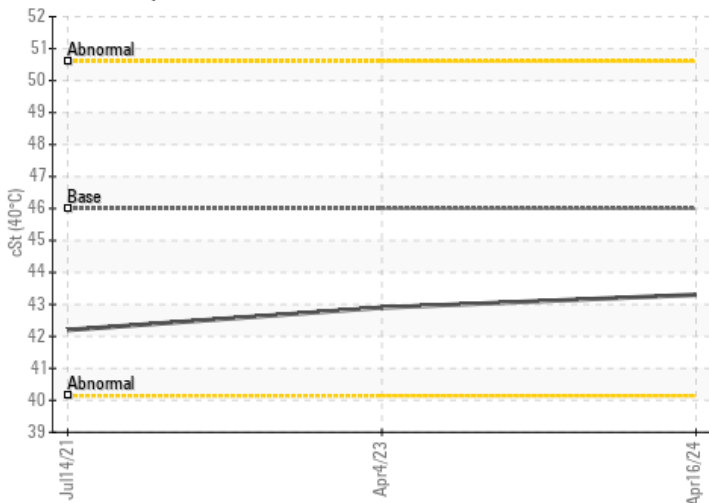
Ferrous Alloys



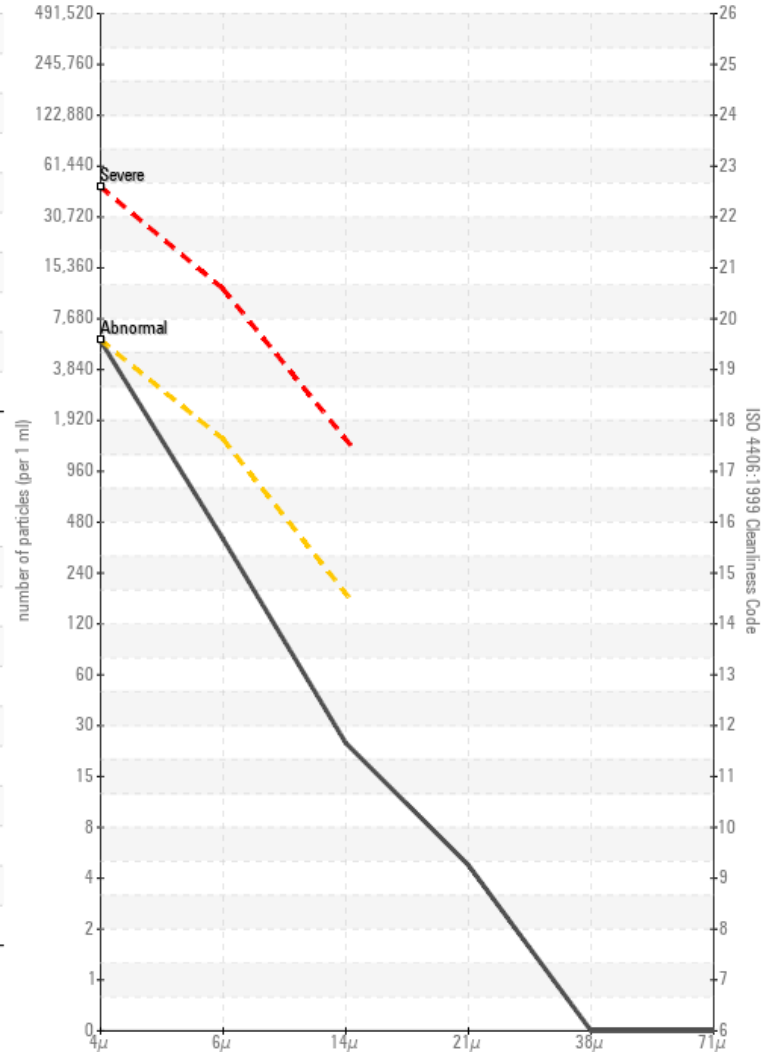
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

