



CONSTRUCTION EQUIPMENT

SPM731355 SENNEBOGEN 835ME 835.0.2266 - HYDRAULIC SYSTEM



Sample No: VCP435700
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM731355



SAMPLE INFORMATION

Sample Number	VCP435700	VCP422973	VCP422523	---
Sample Date	08 Jul 2024	11 Aug 2023	09 May 2023	---
Machine Hours	21313	19533	19009	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ABNORMAL	ATTENTION	ATTENTION	---

SIMS METAL MANAGEMENT

2500 S. PAULINA
CHICAGO, IL
US 60608

Contact: RYAN WISE
ryan.wise@simsmm.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	42.3	43.2	42.9	---
Acid Number (AN)	mg KOH/g	0.41	0.45	0.51	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		4162	6524	6468	---
Particles >6µm		744	964	906	---
Particles >14µm		41	32	71	---
ISO 4406:1999 (c)		19/17/13	20/17/12	20/17/13	---
Silicon	ppm	2	3	2	---
Sodium	ppm	0	4	<1	---
Potassium	ppm	2	0	0	---

Diagnosis

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



WEAR METALS

Iron	ppm	11	10	9	---
Copper	ppm	8	6	4	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	4	<1	0	---
Chromium	ppm	▲ 13	5	4	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	106	71	72	---
Magnesium	ppm	42	55	52	---
Zinc	ppm	522	510	509	---
Phosphorus	ppm	385	434	414	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: SIMCHIL
Unique No: 11129073
Signed: Don Baldrige
Report Date: 20 Jul 2024

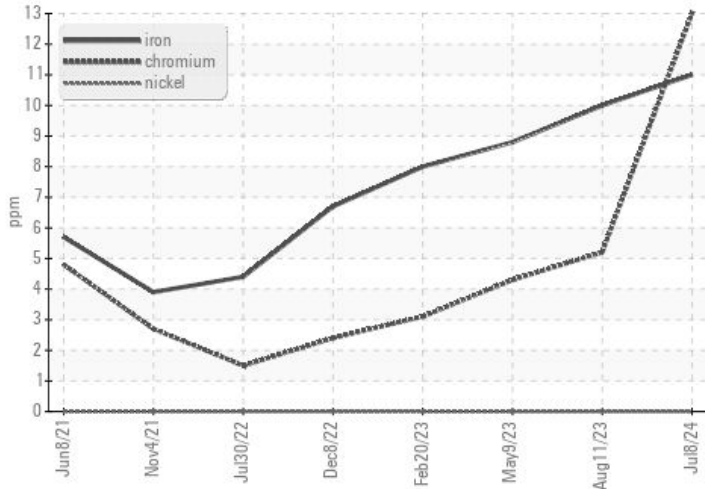


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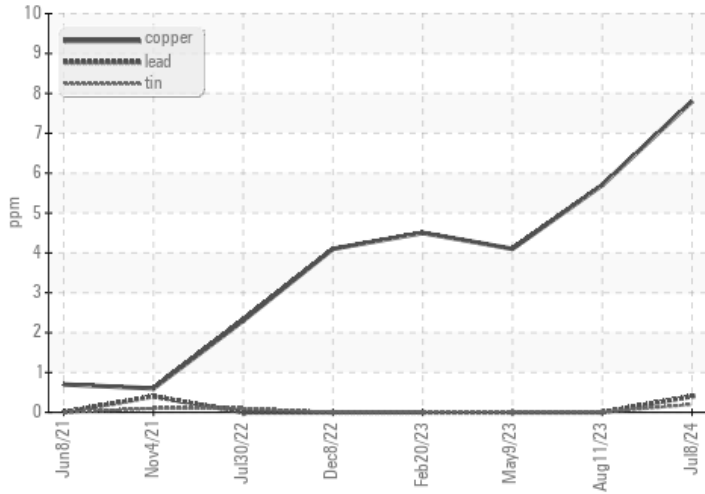


GRAPHS

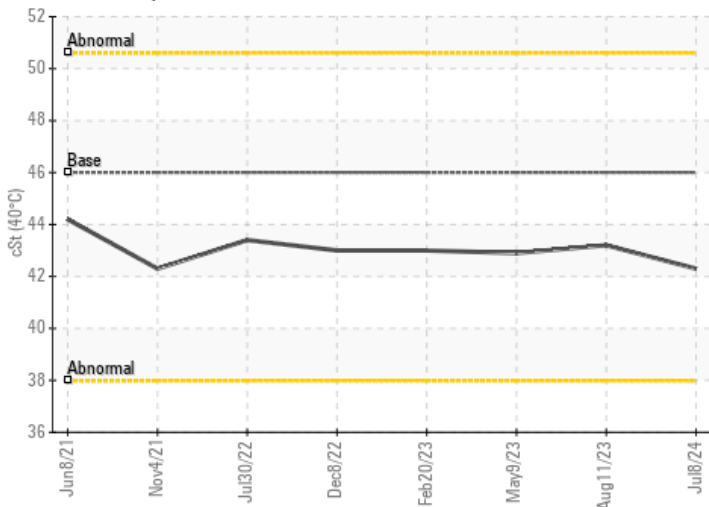
▲ Ferrous Alloys



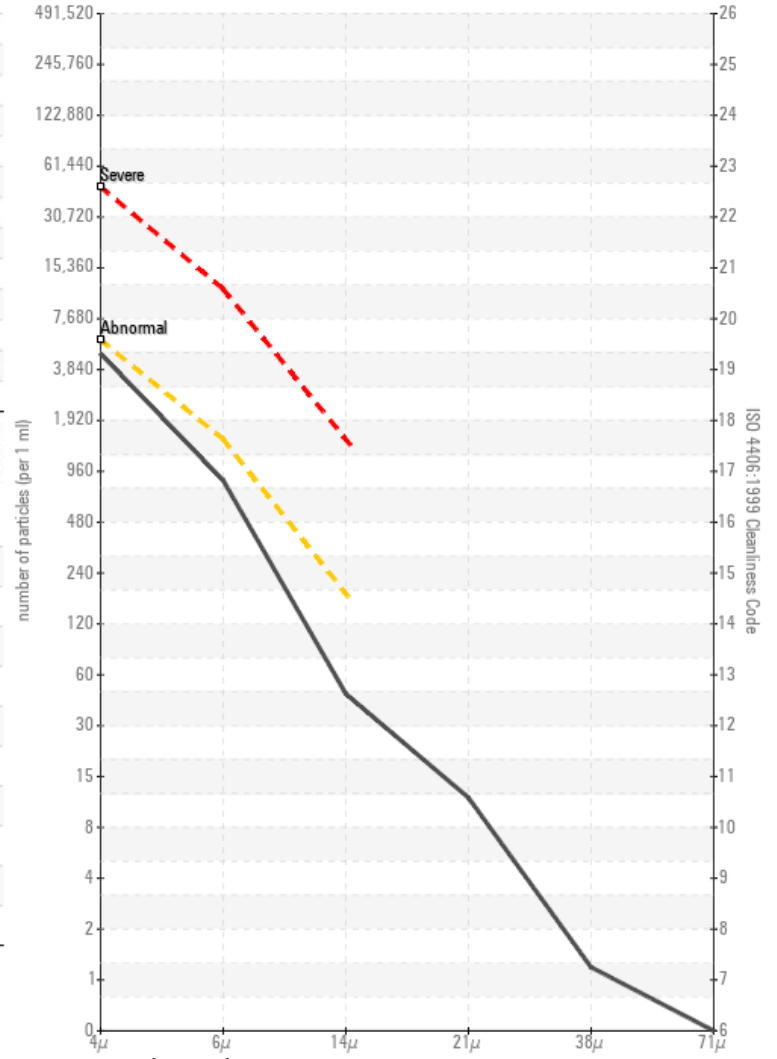
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

