



CONSTRUCTION EQUIPMENT

SPM688847 SENNEBOGEN 835ME 835.0.2078 - HYDRAULIC SYSTEM



Sample No: VCP425262
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM688847



SAMPLE INFORMATION

Sample Number	VCP425262	VCP415050	VCP418505	VCP387328
Sample Date	01 Apr 2024	12 Oct 2023	19 May 2023	02 Mar 2023
Machine Hours	20857	19841	19056	18536
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	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	43.8	43.7	43.7	43.6
Acid Number (AN)	mg KOH/g	0.46	0.42	0.44	0.41

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 20942	▲ 48391	---	● 5031
Particles >6µm		▲ 4807	▲ 11476	---	■ 1042
Particles >14µm		▲ 187	▲ 434	---	■ 35
ISO 4406:1999 (c)		22/19/15	23/21/16	---	20/17/12
Silicon	ppm	■ 1	■ <1	■ <1	■ <1
Sodium	ppm	■ 5	■ 0	■ 0	■ 2
Potassium	ppm	■ 2	■ <1	■ 1	■ 0

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present 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	■ 6	■ <1	■ 4	■ 3
Copper	ppm	■ 1	■ <1	■ <1	■ <1
Lead	ppm	■ <1	■ 0	■ <1	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 0	■ 0	■ 0	■ <1
Chromium	ppm	■ 5	■ 3	■ 2	■ 2
Molybdenum	ppm	■ 0	■ 0	■ <1	■ <1
Nickel	ppm	■ 0	■ <1	■ 0	■ 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ <1	■ 0	■ 0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 48	■ 53	■ 44	■ 42
Magnesium	ppm	■ 35	■ 59	■ 37	■ 39
Zinc	ppm	■ 532	■ 615	■ 547	■ 511
Phosphorus	ppm	■ 420	■ 449	■ 411	■ 417
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 0	■ 0	■ 0	■ 0

Depot: SIMCHIL
Unique No: 10989695
Signed: Don Baldrige
Report Date: 23 Apr 2024

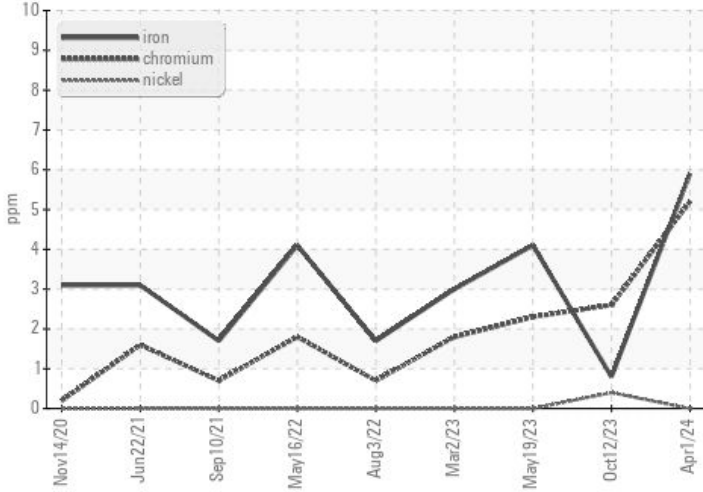


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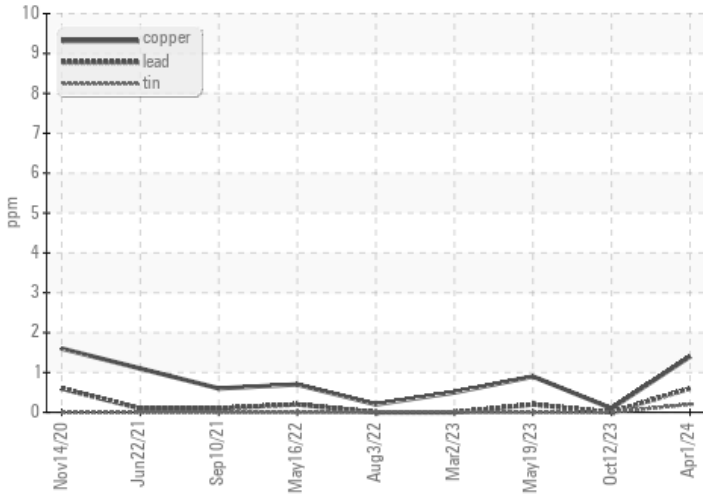


VOLVO GRAPHS

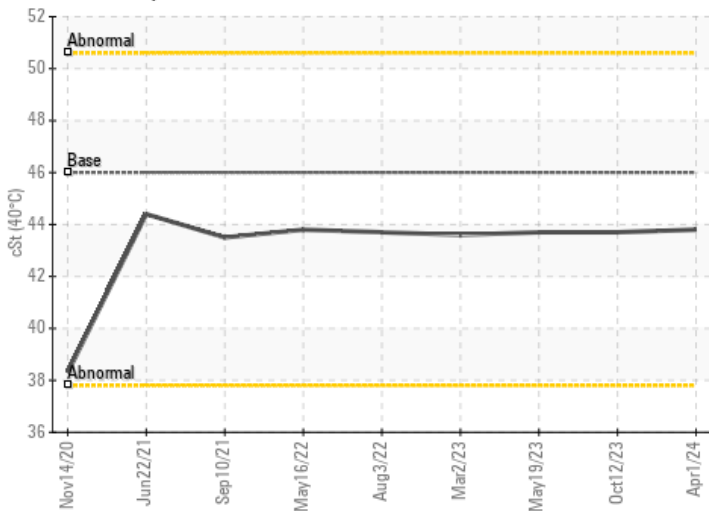
Ferrous Alloys



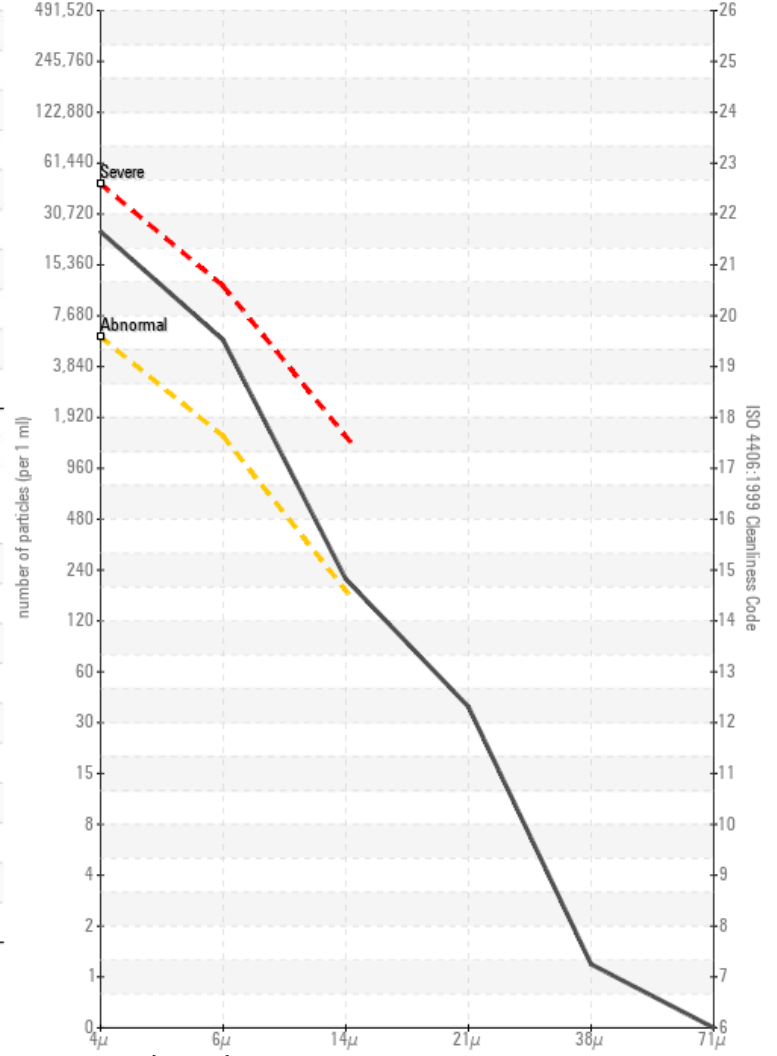
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

