



CONSTRUCTION EQUIPMENT

SPM606511 SENNEBOGEN 835ME 835.0.2733 - HYDRAULIC SYSTEM



Sample No: VCP423334
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM606511



SAMPLE INFORMATION

Sample Number	VCP423334	VCP423156	VCP382562	VCP346092
Sample Date	19 Oct 2023	18 Jul 2023	24 Apr 2023	23 Aug 2022
Machine Hours	15132	6795	6276	4781
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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	45.4	42.5	42.6	42.5
Acid Number (AN)	mg KOH/g	0.33	0.60	0.57	0.70

CONTAMINATION

Particles >4µm	3224	38165	3046	1523
Particles >6µm	504	7287	887	256
Particles >14µm	39	211	68	16
ISO 4406:1999 (c)	19/16/12	22/20/15	19/17/13	18/15/11
Silicon	ppm	0	6	6
Sodium	ppm	0	0	2
Potassium	ppm	0	1	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	5	4	2	2
Copper	ppm	2	2	1	2
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	10	7	5	2
Molybdenum	ppm	0	1	<1	1
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	3
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	105	270	245	283
Magnesium	ppm	38	22	21	25
Zinc	ppm	477	606	587	594
Phosphorus	ppm	373	467	473	480
Barium	ppm	0	2	0	0
Boron	ppm	0	0	0	<1

Depot: SIMCHIL
Unique No: 10712936
Signed: Don Baldrige
Report Date: 28 Oct 2023

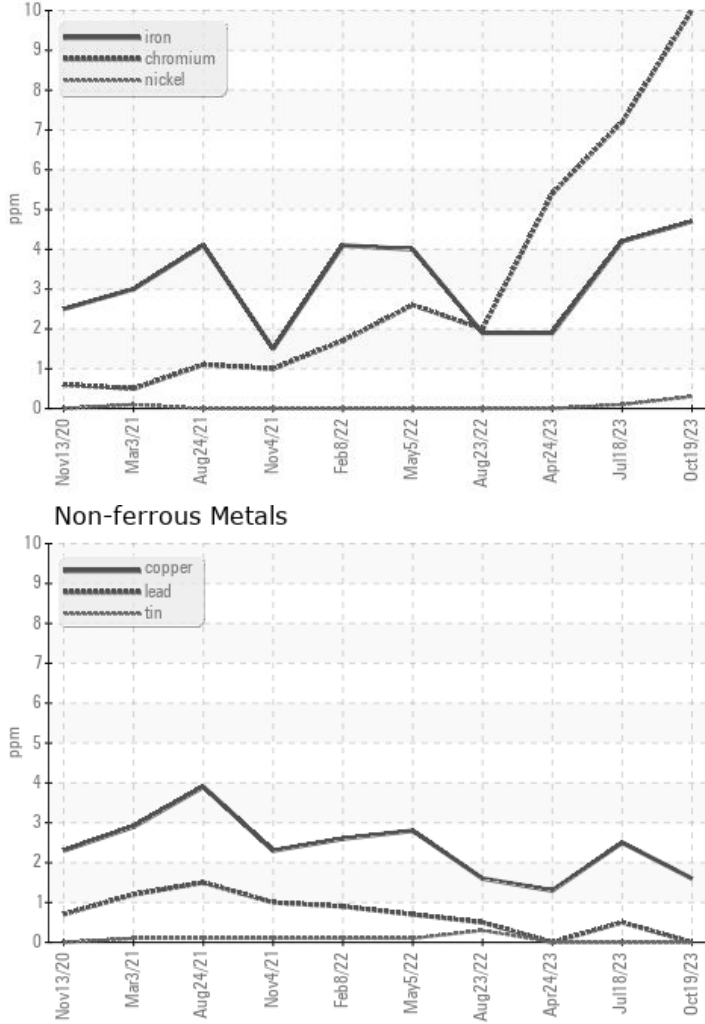


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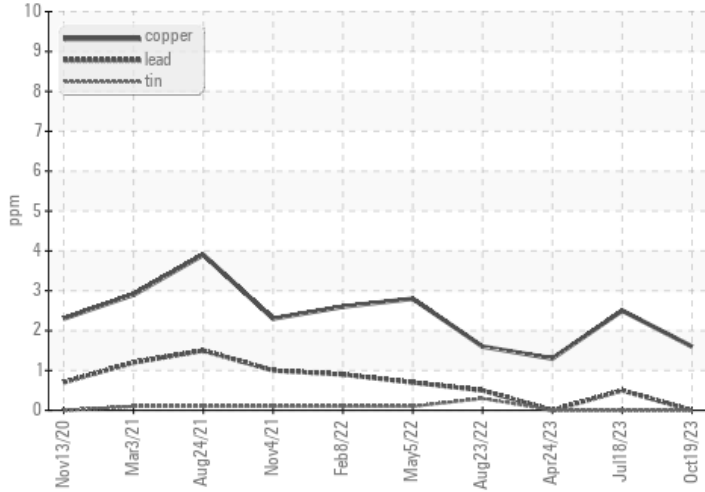


VOLVO GRAPHS

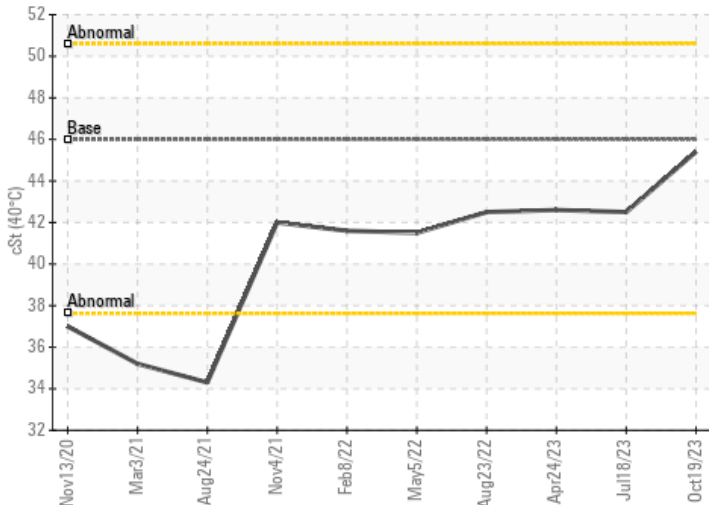
Ferrous Alloys



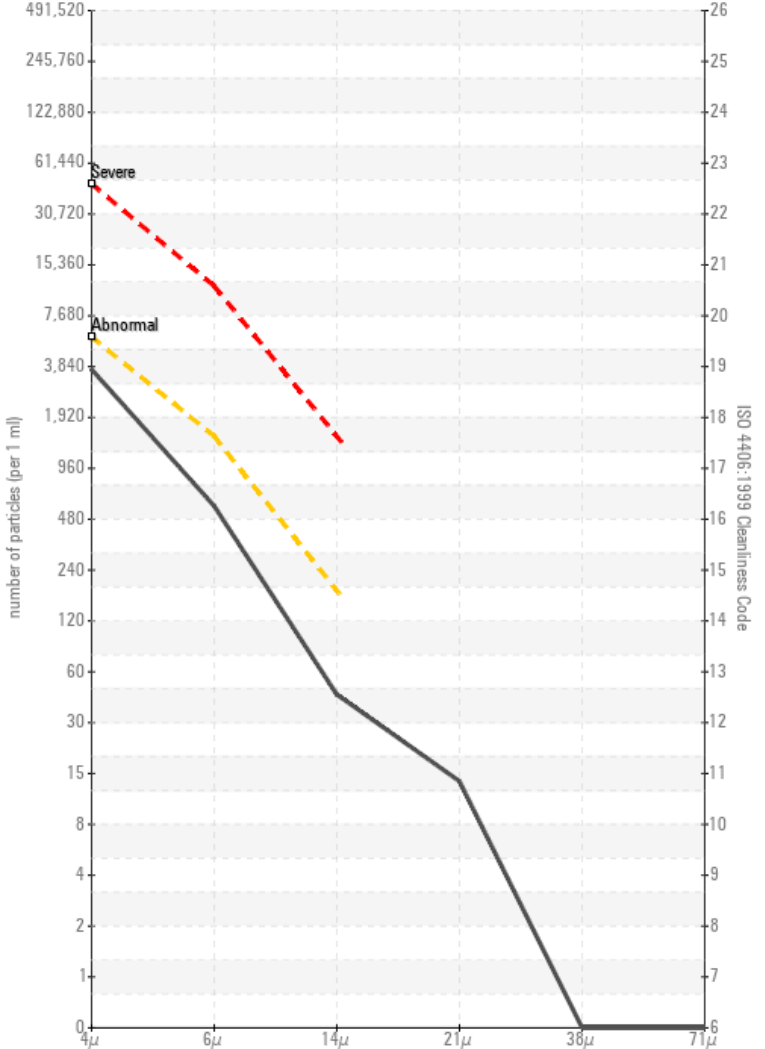
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

