

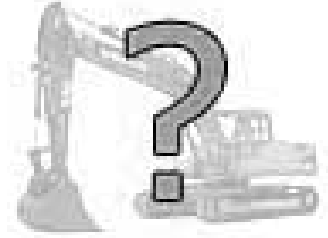


CONSTRUCTION EQUIPMENT

SPM702318 SENNEBOGEN 835ME 835.0.2859 - HYDRAULIC SYSTEM



Sample No: VCP446172
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM702318



SAMPLE INFORMATION

Sample Number	VCP446172	VCP415030	VCP423164	VCP404298
Sample Date	24 Apr 2024	28 Sep 2023	13 Jun 2023	06 Apr 2023
Machine Hours	6712	5054	4333	3781
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	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	41.6	40.6	39.9	40.5
Acid Number (AN)	mg KOH/g	0.45	0.39	0.48	0.62



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3022	4764	2704	9616
Particles >6µm		490	1253	394	1944
Particles >14µm		32	73	18	98
ISO 4406:1999 (c)		19/16/12	19/17/13	19/16/11	20/18/14
Silicon	ppm	0	<1	1	<1
Sodium	ppm	<1	<1	2	<1
Potassium	ppm	0	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	2	10	9	14
Copper	ppm	0	2	1	1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	0	<1
Chromium	ppm	1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	83	208	263	379
Magnesium	ppm	4	1	2	5
Zinc	ppm	418	430	457	466
Phosphorus	ppm	344	341	347	395
Barium	ppm	1	0	0	0
Boron	ppm	0	0	0	0

Depot: SIMCHIL
Unique No: 11029979
Signed: Wes Davis
Report Date: 15 May 2024

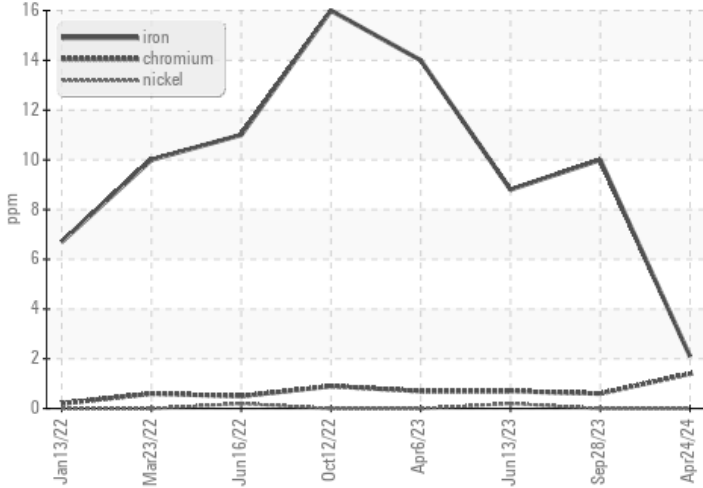


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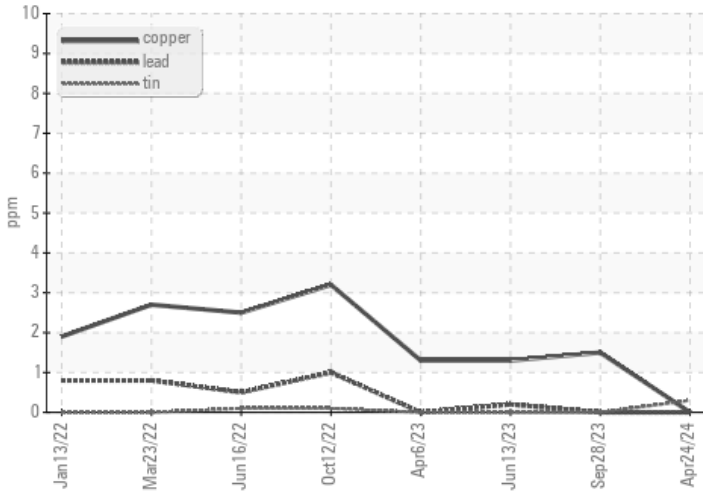


VOLVO GRAPHS

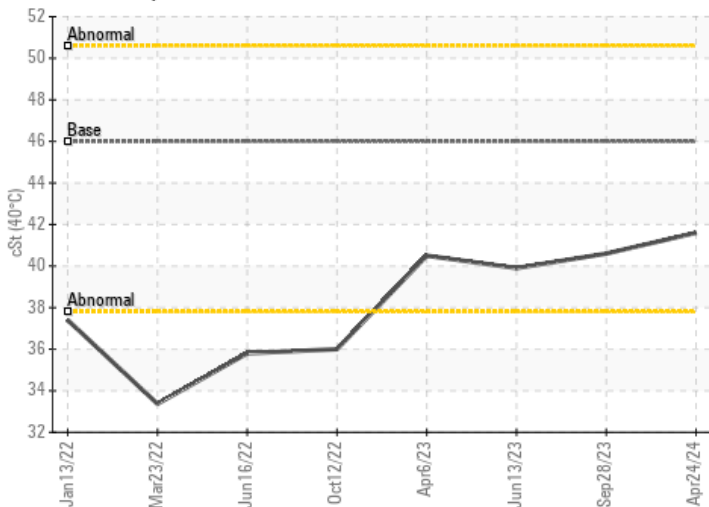
Ferrous Alloys



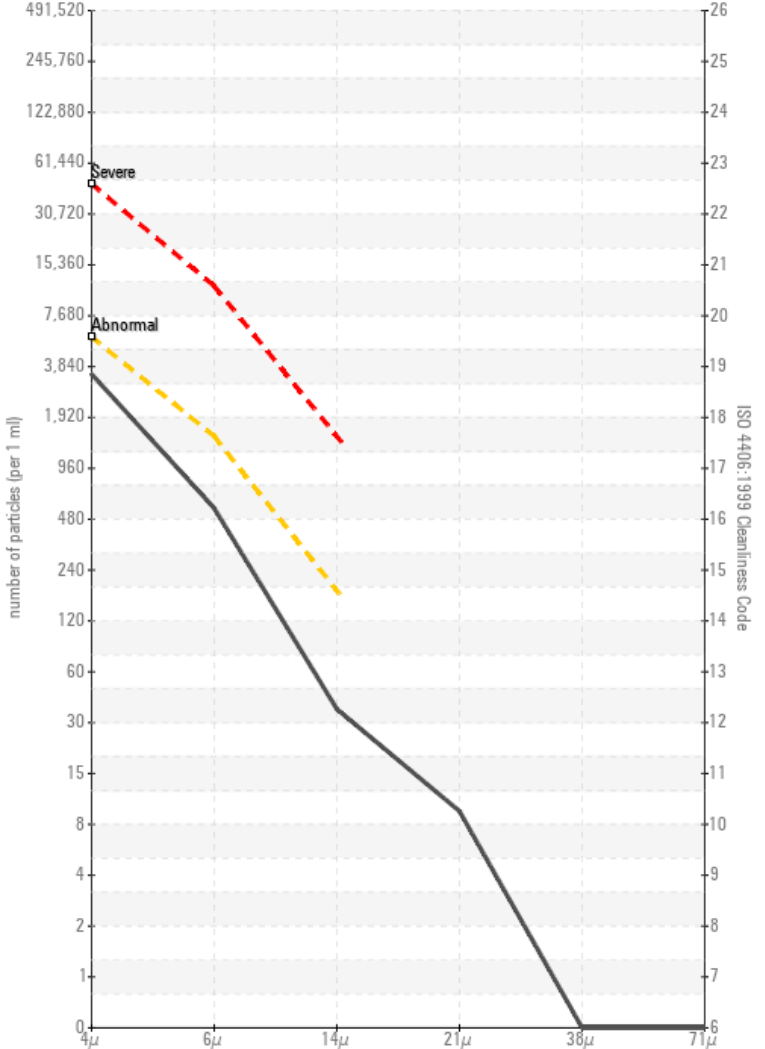
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

