



CONSTRUCTION EQUIPMENT

SPM580216 SENNEBOGEN 835ME 835.0.2733 - HYDRAULIC SYSTEM



Sample No: VCP423156
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM580216



SAMPLE INFORMATION

Sample Number	VCP423156	VCP382562	VCP346092	VCP357541
Sample Date	18 Jul 2023	24 Apr 2023	23 Aug 2022	05 May 2022
Machine Hours	6795	6276	4781	4189
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Not Chngd	Not Chngd
Sample Status	ABNORMAL	NORMAL	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	42.5	42.6	42.5	41.5
Acid Number (AN)	mg KOH/g	0.60	0.57	0.70	1.04

CONTAMINATION

Particles >4µm	38165	3046	1523	2320	
Particles >6µm	7287	887	256	507	
Particles >14µm	211	68	16	41	
ISO 4406:1999 (c)	22/20/15	19/17/13	18/15/11	18/16/13	
Silicon	ppm	6	6	6	<1
Sodium	ppm	0	2	1	2
Potassium	ppm	1	0	0	1

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	4	2	2	4
Copper	ppm	2	1	2	3
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	7	5	2	3
Molybdenum	ppm	1	<1	1	4
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	3	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	270	245	283	707
Magnesium	ppm	22	21	25	68
Zinc	ppm	606	587	594	898
Phosphorus	ppm	467	473	480	711
Barium	ppm	2	0	0	0
Boron	ppm	0	0	<1	<1

Depot: SIMCHIL
Unique No: 10574240
Signed: Wes Davis
Report Date: 27 Jul 2023

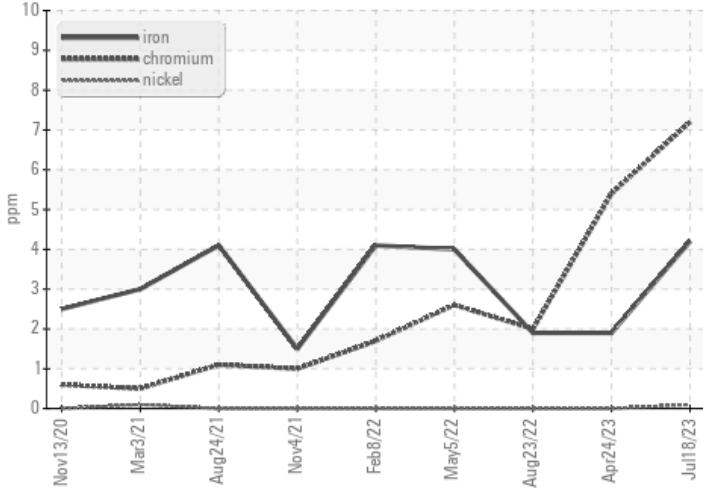


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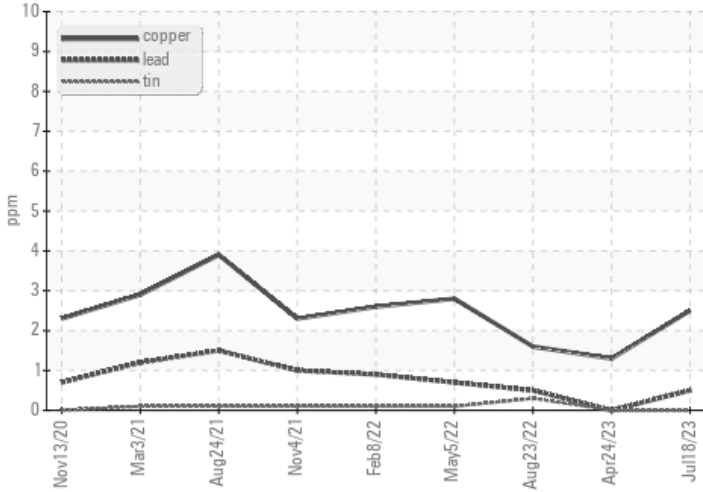


GRAPHS

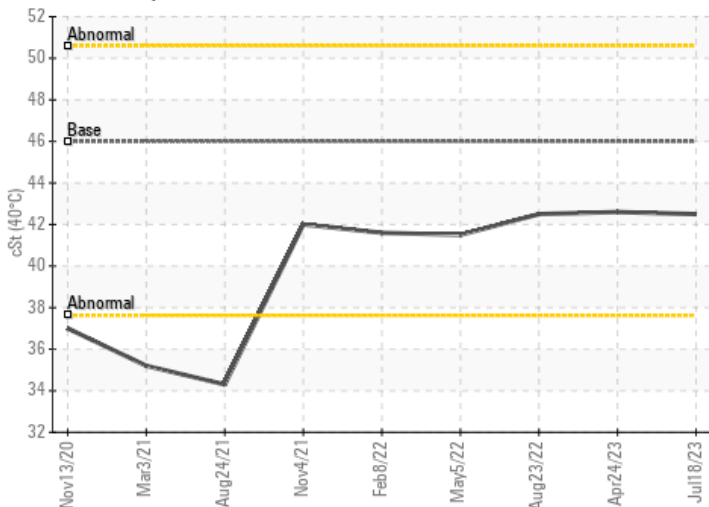
Ferrous Alloys



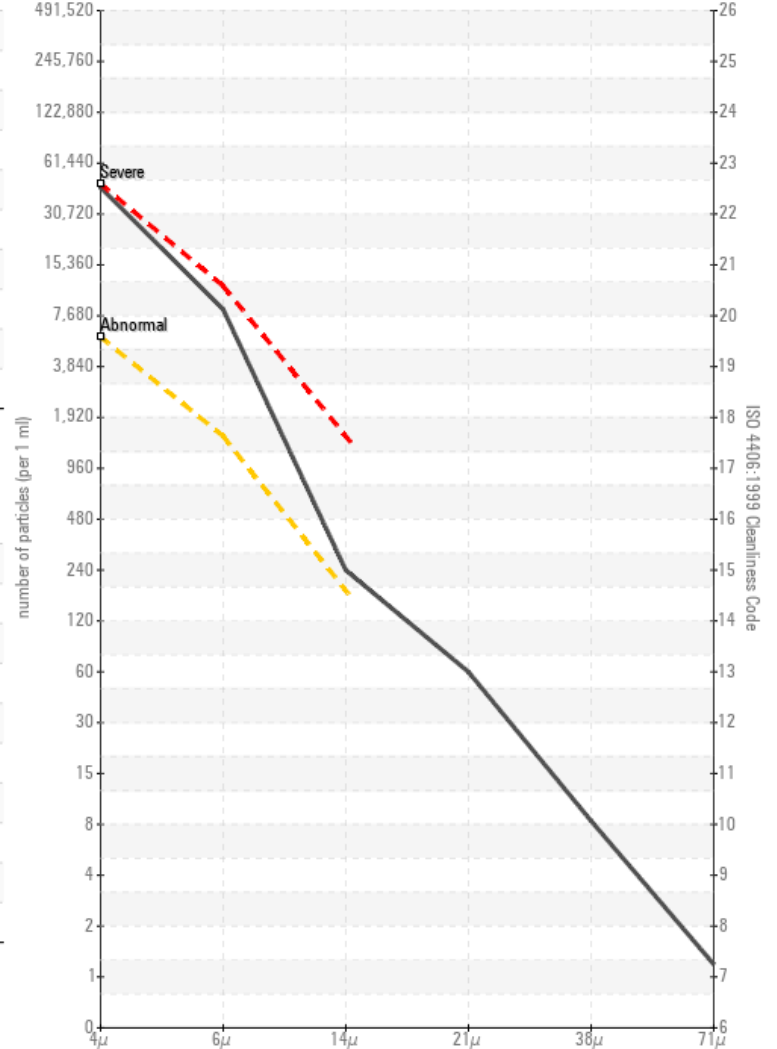
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

