



CONSTRUCTION EQUIPMENT

SPM673743 SENNEBOGEN 835ME 835.0.2845 - HYDRAULIC SYSTEM



Sample No: VCP433260
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM673743



SAMPLE INFORMATION

Sample Number	VCP433260	VCP406649	VCP400514	VCP378911
Sample Date	07 Feb 2024	04 Aug 2023	22 Mar 2023	23 May 2022
Machine Hours	6681	5542	4535	2518
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

BELSON STEEL

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 F:



OIL CONDITION

Visc @ 40°C	cSt	41.8	40.4	40.0	44.8
Acid Number (AN)	mg KOH/g	0.54	0.73	0.46	0.74



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2630	13113	1386	3288
Particles >6µm		303	4219	253	209
Particles >14µm		13	388	8	15
ISO 4406:1999 (c)		19/15/11	21/19/16	18/15/10	19/15/11
Silicon	ppm	<1	1	2	1
Sodium	ppm	0	2	0	2
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	6	4	5
Copper	ppm	2	3	3	5
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	2	0	<1
Chromium	ppm	2	1	<1	<1
Molybdenum	ppm	<1	<1	1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	169	311	192	569
Magnesium	ppm	11	3	6	3
Zinc	ppm	466	476	488	554
Phosphorus	ppm	337	398	385	461
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: BELBOU
Unique No: 10899792
Signed: Wes Davis
Report Date: 28 Feb 2024

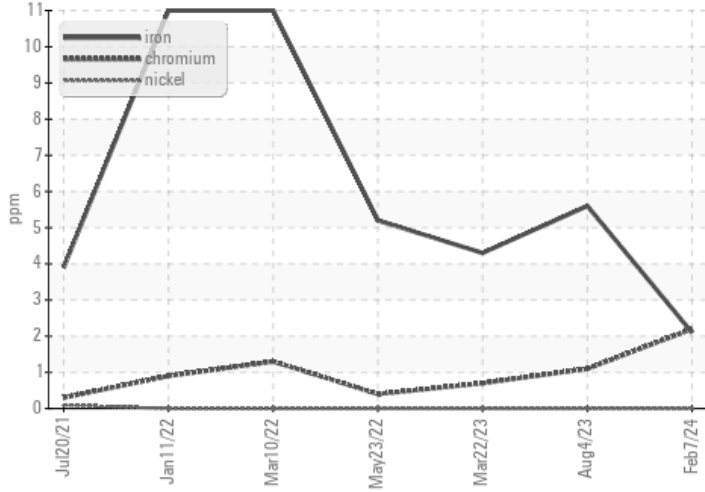


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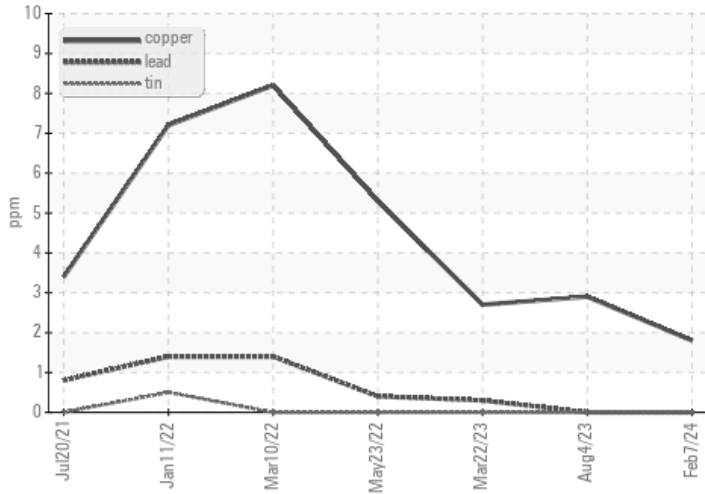


GRAPHS

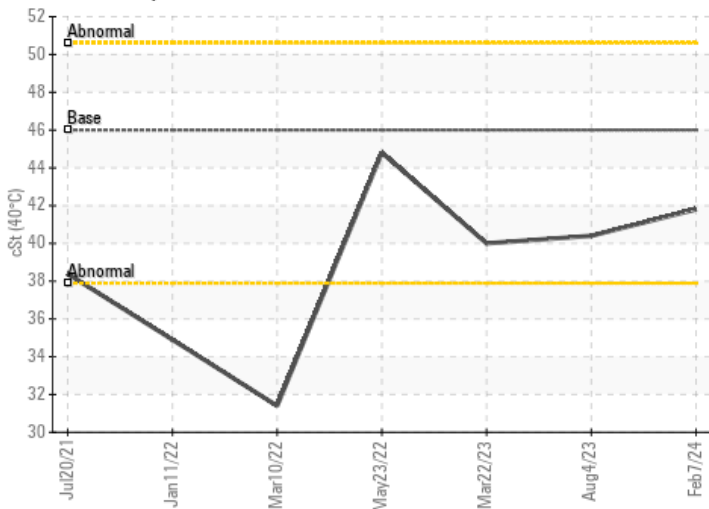
Ferrous Alloys



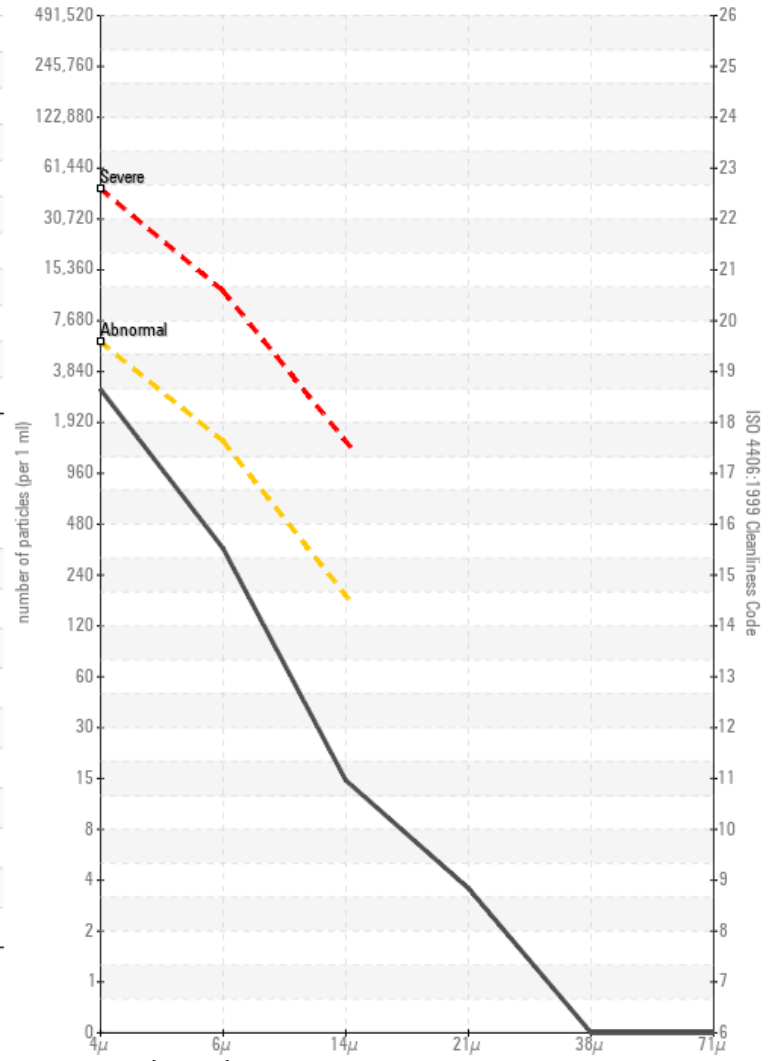
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

