

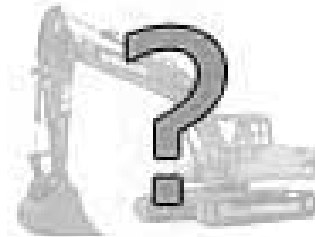


CONSTRUCTION EQUIPMENT

SPM701405 SENNEBOGEN 835ME 835.0.2718 - HYDRAULIC SYSTEM



Sample No: VCP437969
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM701405



SAMPLE INFORMATION

Sample Number	VCP437969	VCP415009	VCP423382	VCP399984
Sample Date	12 Apr 2024	12 Sep 2023	25 May 2023	28 Feb 2023
Machine Hours	9760	8383	7855	7325
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
 US 60914
 Contact: M. POZAN
 mpozan@belsonsteel.com
 T: (815)932-7416
 F:

OIL CONDITION

Visc @ 40°C	cSt	40.7	40.6	40.9	40.4
Acid Number (AN)	mg KOH/g	0.58	0.46	0.76	0.89

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		1604	2559	1486	2329
Particles >6µm		478	541	259	486
Particles >14µm		34	33	21	15
ISO 4406:1999 (c)		18/16/12	19/16/12	18/15/12	18/16/11
Silicon	ppm	1	1	2	2
Sodium	ppm	4	2	6	4
Potassium	ppm	<1	<1	0	1

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	4	2	6	7
Copper	ppm	<1	<1	2	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	2	<1	2	2
Molybdenum	ppm	<1	<1	<1	1
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	309	368	888	1064
Magnesium	ppm	18	26	54	62
Zinc	ppm	519	572	785	854
Phosphorus	ppm	419	471	610	671
Barium	ppm	0	0	0	0
Boron	ppm	3	4	14	16

Depot: BELBOU
Unique No: 10995717
Signed: Wes Davis
Report Date: 30 Apr 2024

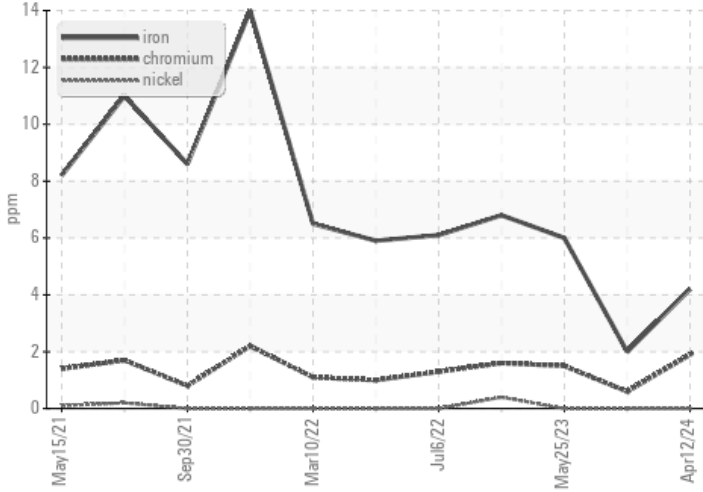


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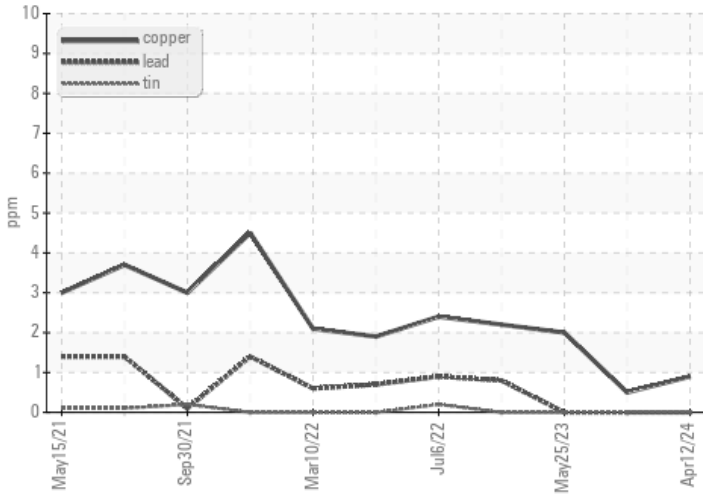


GRAPHS

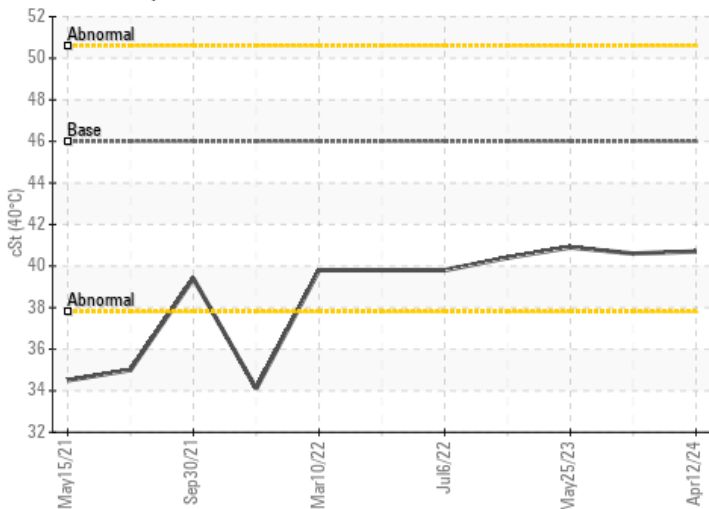
Ferrous Alloys



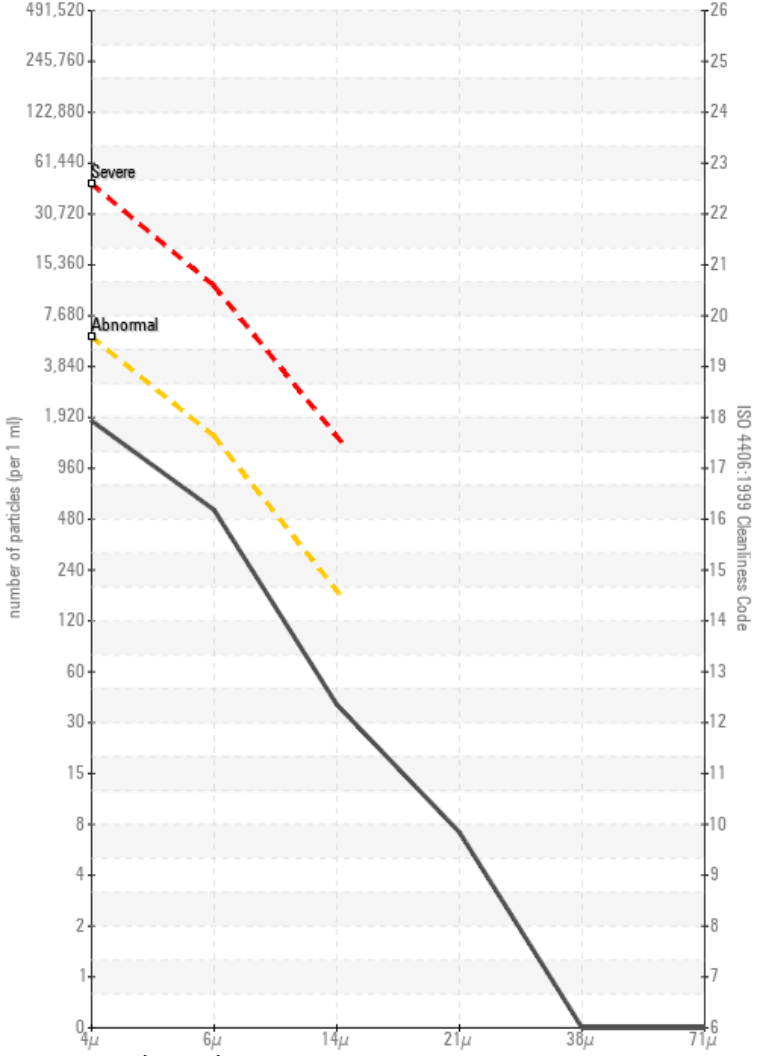
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

