



CONSTRUCTION EQUIPMENT

SPM595860 SENNEBOGEN 835ME 835.0.2718 - HYDRAULIC SYSTEM



Sample No: VCP415009
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM595860



SAMPLE INFORMATION

Sample Number	VCP415009	VCP423382	VCP399984	VCP353610
Sample Date	12 Sep 2023	25 May 2023	28 Feb 2023	06 Jul 2022
Machine Hours	8383	7855	7325	5783
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

BELSON STEEL
 1685 N STATE RTE 50
 BOURBONNAIS, IL
 US 60914
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 F:

OIL CONDITION

Visc @ 40°C	cSt	40.6	40.9	40.4	39.8
Acid Number (AN)	mg KOH/g	0.46	0.76	0.89	1.11

CONTAMINATION

Particles >4µm	2559	1486	2329	3630	
Particles >6µm	541	259	486	813	
Particles >14µm	33	21	15	60	
ISO 4406:1999 (c)	19/16/12	18/15/12	18/16/11	19/17/13	
Silicon	ppm	1	2	2	3
Sodium	ppm	2	6	4	4
Potassium	ppm	<1	0	1	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	2	6	7	6
Copper	ppm	<1	2	2	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	<1	2	2	1
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	368	888	1064	1345
Magnesium	ppm	26	54	62	82
Zinc	ppm	572	785	854	981
Phosphorus	ppm	471	610	671	783
Barium	ppm	0	0	0	2
Boron	ppm	4	14	16	27

Depot: BELBOU
Unique No: 10658227
Signed: Wes Davis
Report Date: 22 Sep 2023

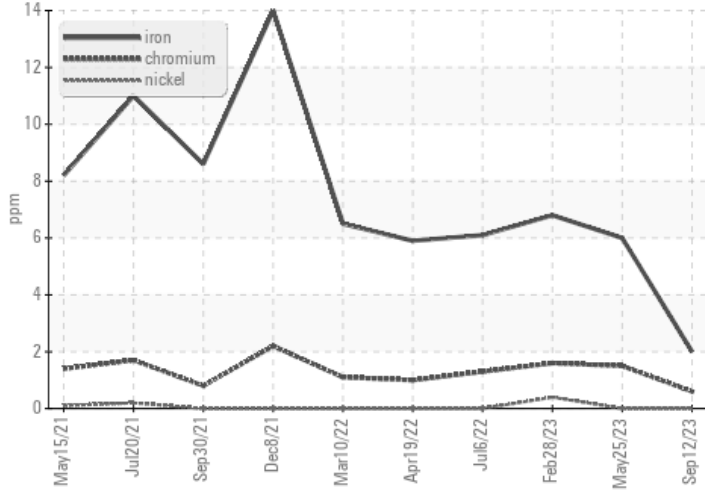


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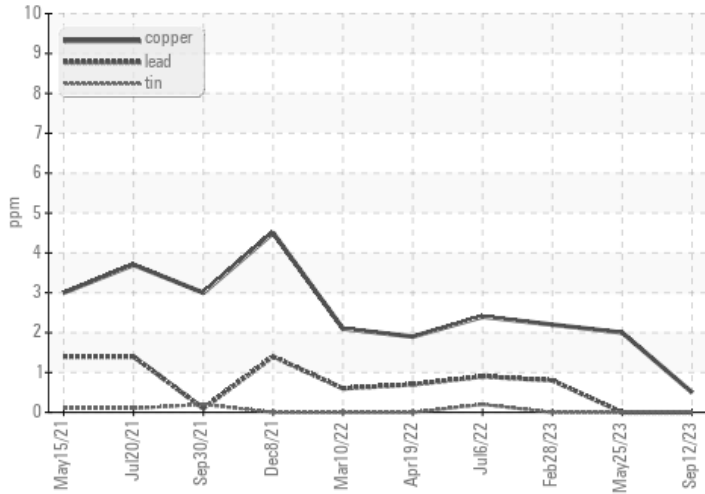


VOLVO GRAPHS

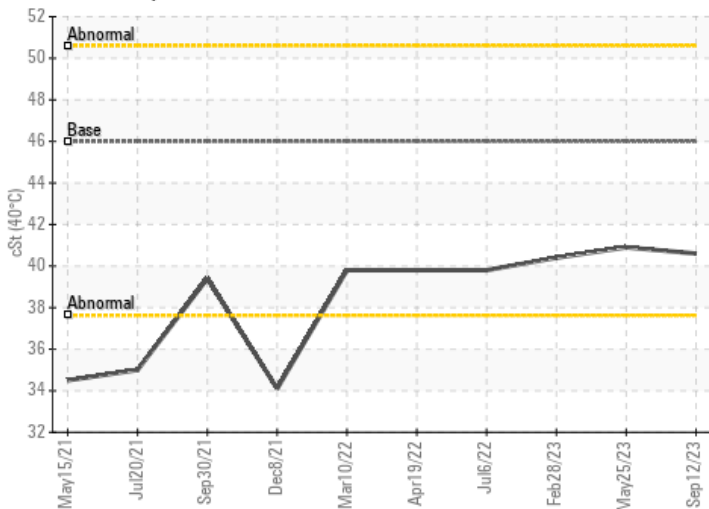
Ferrous Alloys



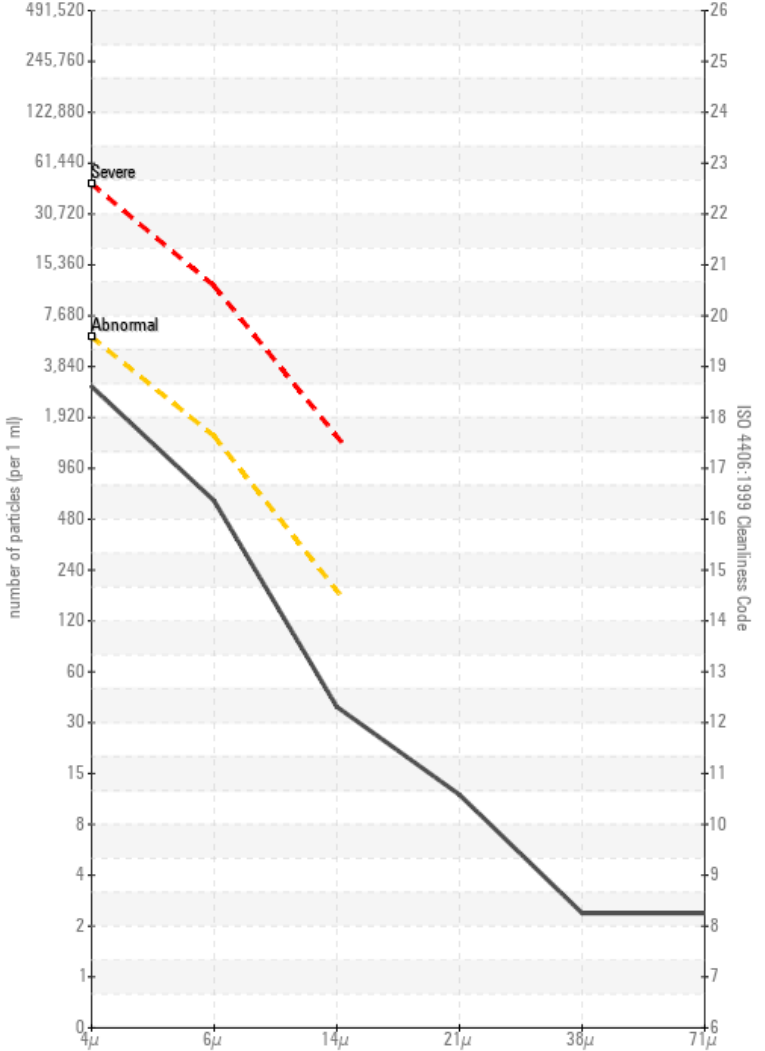
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

