



CONSTRUCTION EQUIPMENT

SPM688436 SENNEBOGEN 835ME 835.0.3070 - HYDRAULIC SYSTEM



Sample No: VCP427254
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM688436



SAMPLE INFORMATION

Sample Number	VCP427254	VCP411402	VCP402106	---
Sample Date	22 Mar 2024	11 Aug 2023	20 Mar 2023	---
Machine Hours	3312	2080	1076	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	---

BELSON STEEL
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 US 60914
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 F:



OIL CONDITION

Visc @ 40°C	cSt	34.9	38.2	36.4	---
Acid Number (AN)	mg KOH/g	1.09	1.28	1.23	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		9060	10775	11762	---
Particles >6µm		2384	2736	1484	---
Particles >14µm		151	131	35	---
ISO 4406:1999 (c)		20/18/14	21/19/14	21/18/12	---
Silicon	ppm	2	2	3	---
Sodium	ppm	6	3	<1	---
Potassium	ppm	<1	0	1	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	6	4	4	---
Copper	ppm	8	5	5	---
Lead	ppm	1	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	2	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1202	1342	1258	---
Magnesium	ppm	6	6	4	---
Zinc	ppm	695	653	742	---
Phosphorus	ppm	591	542	631	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: BELBOU
Unique No: 10989706
Signed: Don Baldrige
Report Date: 23 Apr 2024

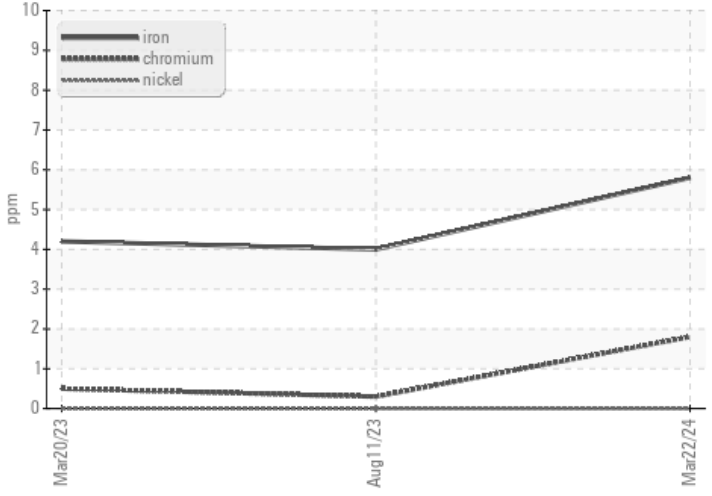


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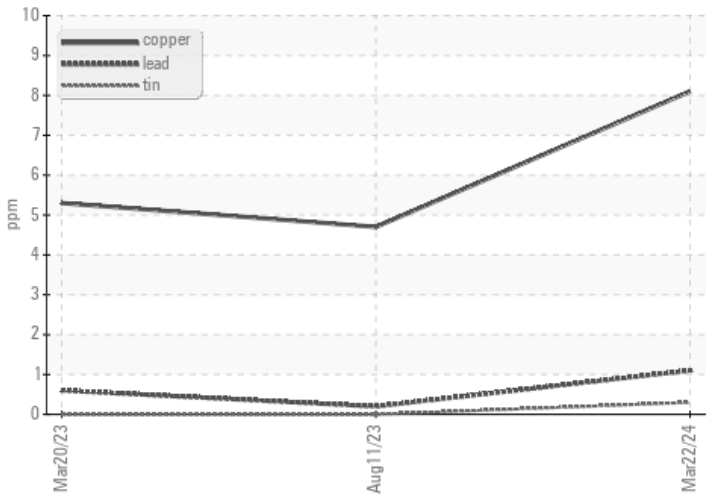


GRAPHS

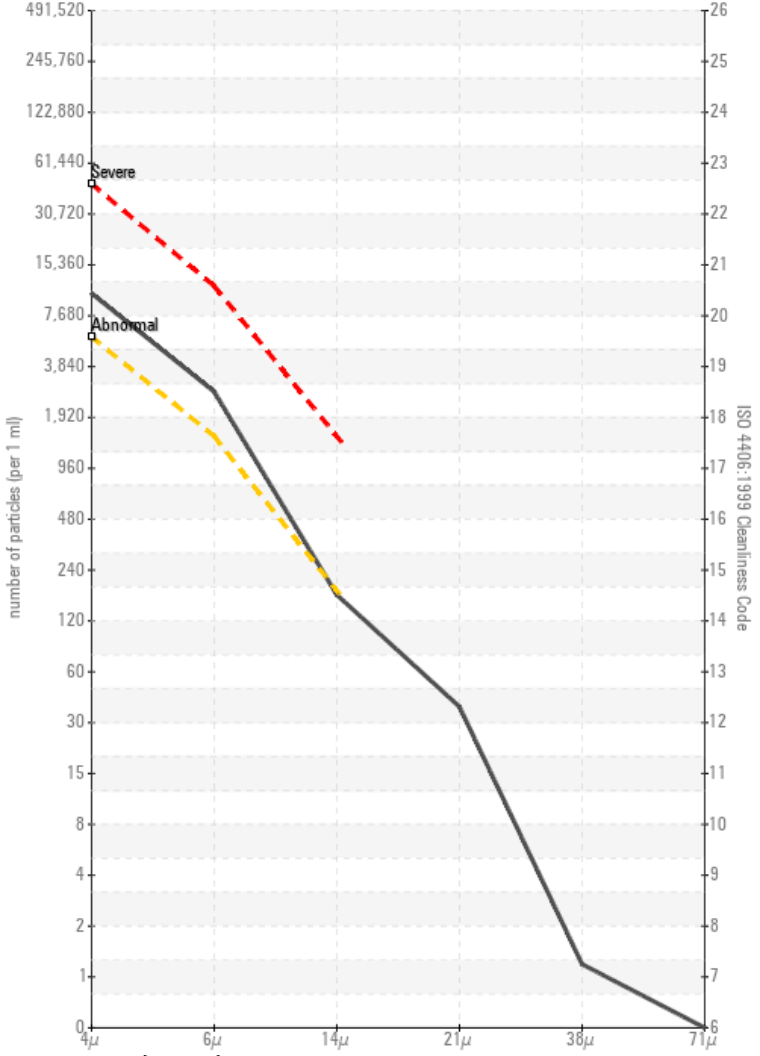
Ferrous Alloys



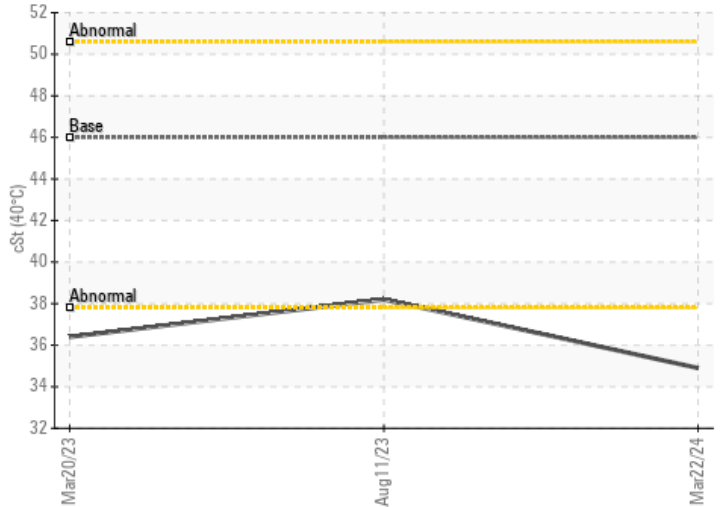
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

