

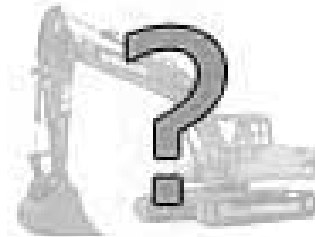


CONSTRUCTION EQUIPMENT

SPM715231 SENNEBOGEN 835ME 835.0.3282 - HYDRAULIC SYSTEM



Sample No: VCP447053
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM715231



SAMPLE INFORMATION

Sample Number	VCP447053	VCP433390	VCP425249	---
Sample Date	25 Jun 2024	08 Dec 2023	07 Dec 2023	---
Machine Hours	1200	216	216	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	N/A	N/A	---
Sample Status	ABNORMAL	NORMAL	SEVERE	---

BELSON STEEL
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F:

OIL CONDITION

Visc @ 40°C	cSt	40.0	41.5	41.6	---
Acid Number (AN)	mg KOH/g	0.73	1.35	1.31	---

CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		▲ 11444	■ 2264	▲ 226855	---
Particles >6µm		▲ 2620	■ 350	▲ 82102	---
Particles >14µm		● 162	■ 24	▲ 737	---
ISO 4406:1999 (c)		21/19/15	18/16/12	25/24/17	---
Silicon	ppm	■ 2	■ 2	■ 5	---
Sodium	ppm	■ 0	■ 1	■ 2	---
Potassium	ppm	■ 1	■ 0	■ 0	---

Diagnosis

We recommend you service the filters on this component. 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	■ 2	■ 1	■ 9	---
Copper	ppm	■ 2	■ <1	■ 2	---
Lead	ppm	■ <1	■ 0	■ 0	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ 4	■ <1	■ <1	---
Chromium	ppm	■ <1	■ 0	■ 0	---
Molybdenum	ppm	■ <1	0	0	---
Nickel	ppm	■ 0	■ 0	■ 0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	■ 0	0	<1	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	543	1285	1294	---
Magnesium	ppm	■ 6	1	2	---
Zinc	ppm	■ 604	708	703	---
Phosphorus	ppm	■ 442	624	622	---
Barium	ppm	■ 0	0	0	---
Boron	ppm	■ 0	0	0	---

Depot: BELBOU
Unique No: 11129076
Signed: Wes Davis
Report Date: 19 Jul 2024

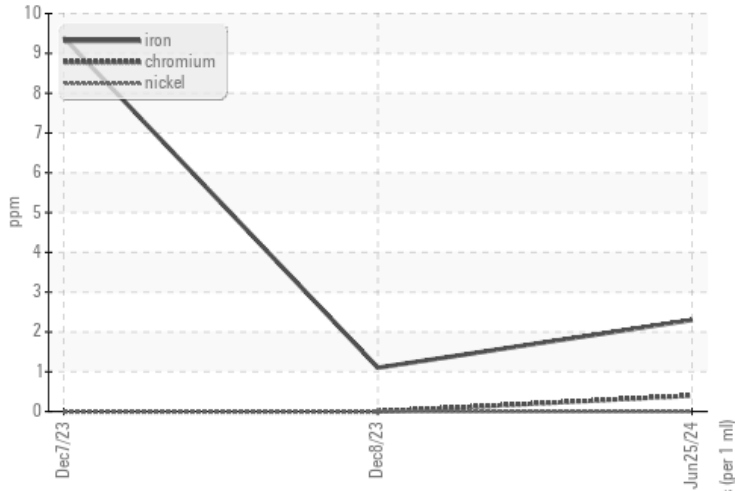


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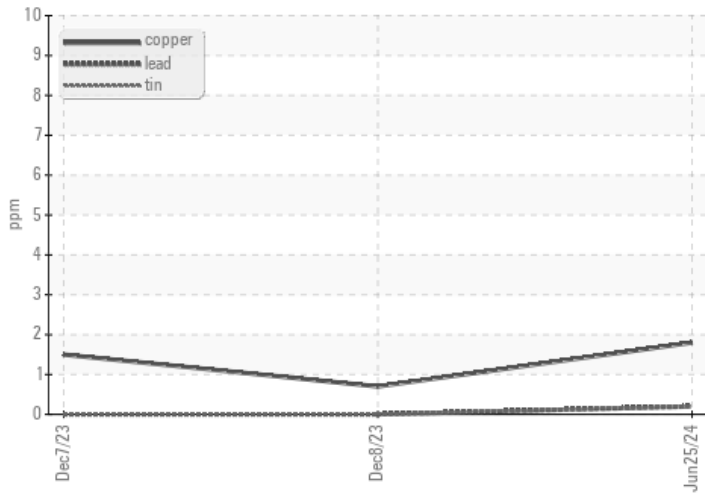


GRAPHS

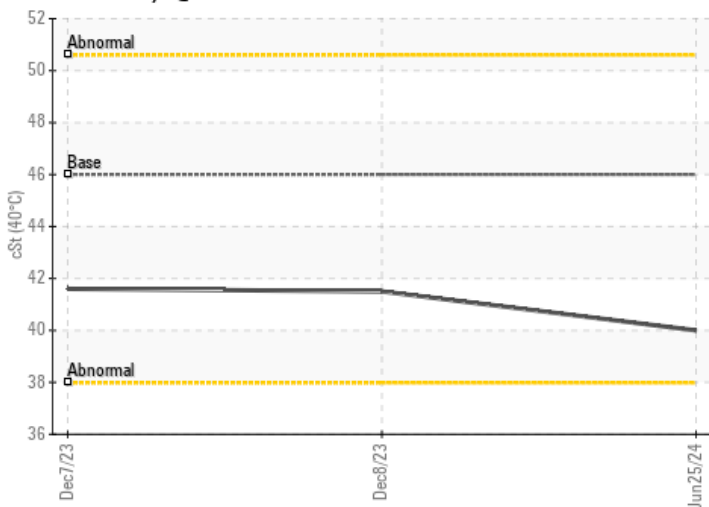
Ferrous Alloys



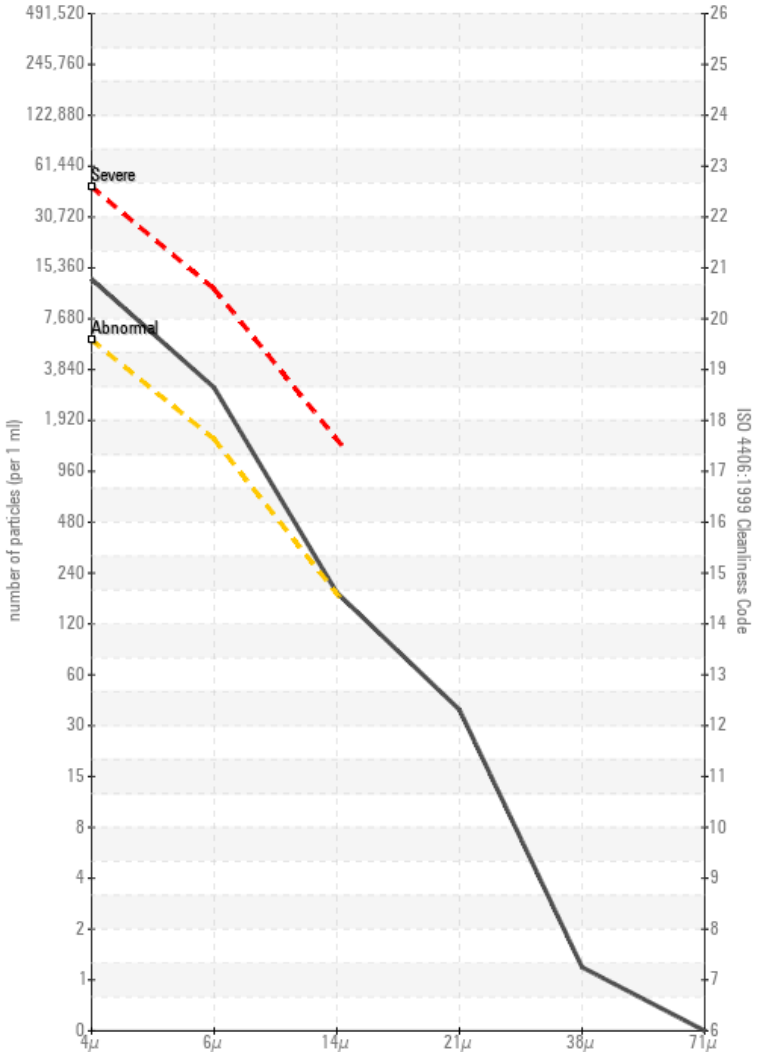
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

