

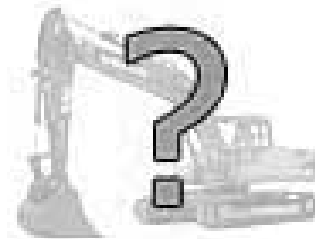


CONSTRUCTION EQUIPMENT

SPM593279 SENNEBOGEN 835ME 835.0.3070 - HYDRAULIC SYSTEM



Sample No: VCP411402
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM593279



SAMPLE INFORMATION

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

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OIL CONDITION

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

CONTAMINATION

Particles >4µm		▲ 10775	▲ 11762	---	---
Particles >6µm		▲ 2736	▲ 1484	---	---
Particles >14µm		■ 131	■ 35	---	---
ISO 4406:1999 (c)		21/19/14	21/18/12	---	---
Silicon	ppm	■ 2	■ 3	---	---
Sodium	ppm	■ 3	■ <1	---	---
Potassium	ppm	■ 0	■ 1	---	---

Diagnosis

The filter change at the time of sampling has been noted. 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	■ 4	■ 4	---	---
Copper	ppm	■ 5	■ 5	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ 0	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	1342	▲ 1258	---	---
Magnesium	ppm	■ 6	■ 4	---	---
Zinc	ppm	■ 653	▲ 742	---	---
Phosphorus	ppm	■ 542	▲ 631	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

Depot: BELBOU
Unique No: 10616086
Signed: Wes Davis
Report Date: 23 Aug 2023

VOLVO GRAPHS

