



CONSTRUCTION EQUIPMENT

SPM702747 MIM SENNEBOGEN 825M 825.0.3853 - HYDRAULIC SYSTEM



Sample No: VCP446119
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM702747 MIM



SAMPLE INFORMATION

Sample Number	VCP446119	VCP420055	---	---
Sample Date	29 Apr 2024	25 Jul 2023	---	---
Machine Hours	1073	636	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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 5000 INDUSTRIAL HWY
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 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:

OIL CONDITION

Visc @ 40°C	cSt	█ 40.3	█ 42.1	---	---
Acid Number (AN)	mg KOH/g	█ 1.18	█ 1.14	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		● 6133	▲ 12222	---	---
Particles >6µm		█ 1020	● 2152	---	---
Particles >14µm		█ 49	█ 51	---	---
ISO 4406:1999 (c)		20/17/13	21/18/13	---	---
Silicon	ppm	█ 1	█ 2	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 0	█ 0	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	█ 0	█ 2	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1235	█ 1266	---	---
Magnesium	ppm	█ 7	█ 7	---	---
Zinc	ppm	█ 662	█ 627	---	---
Phosphorus	ppm	█ 615	█ 526	---	---
Barium	ppm	█ 1	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO8885
Unique No: 11029972
Signed: Wes Davis
Report Date: 15 May 2024

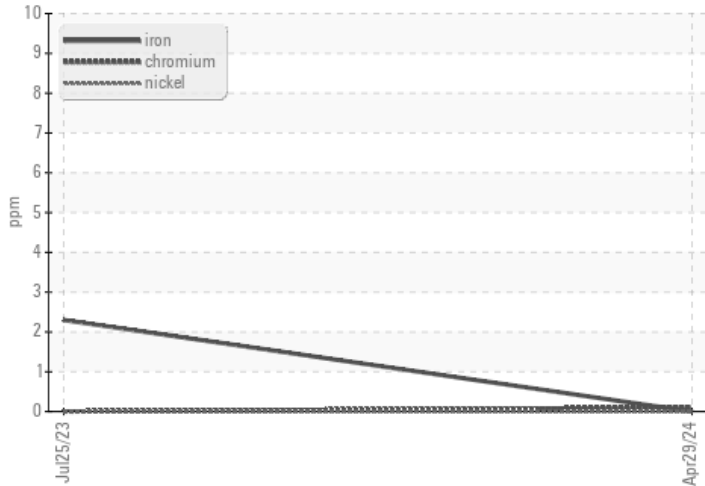


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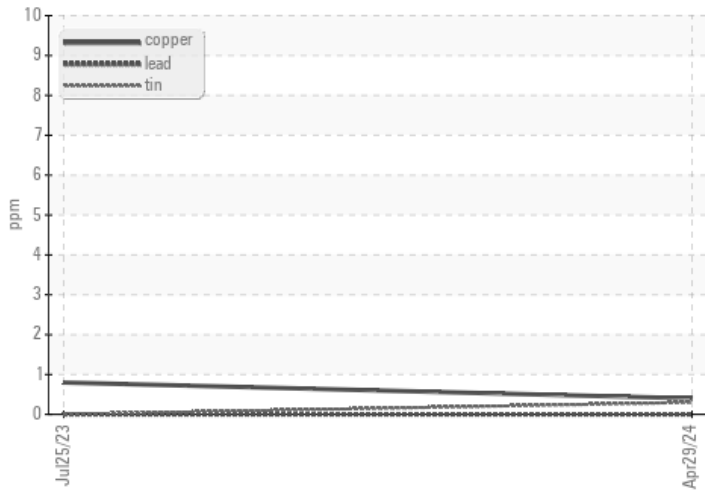


GRAPHS

Ferrous Alloys



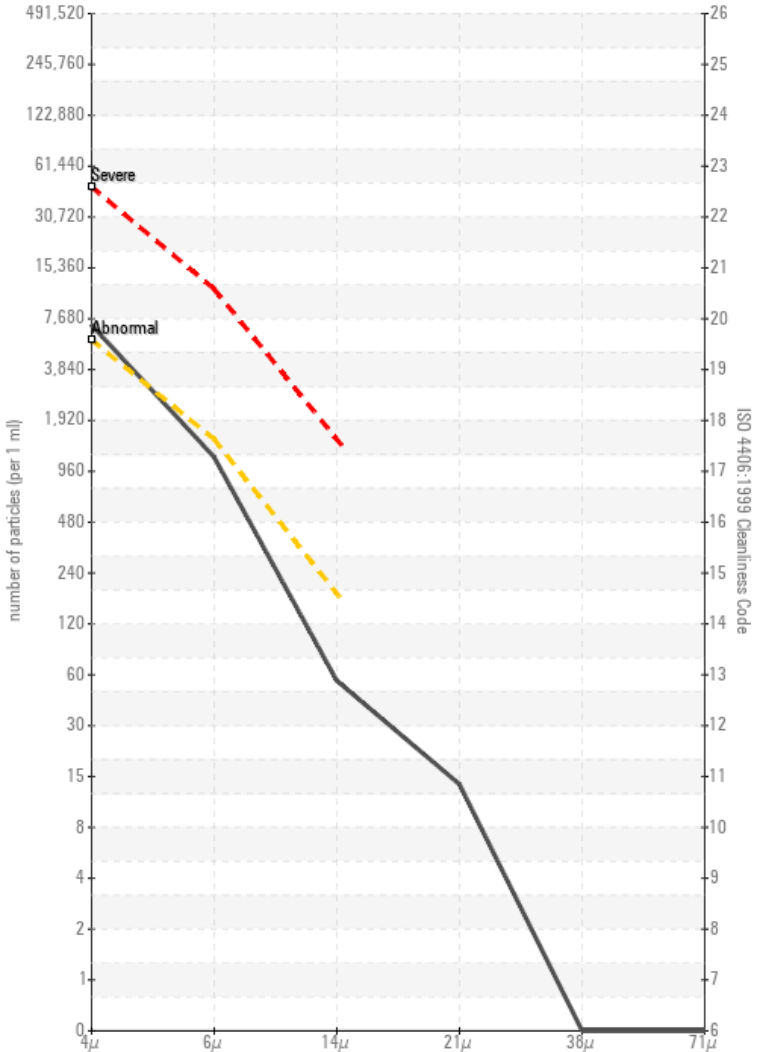
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

