



CONSTRUCTION EQUIPMENT

SPM608251 AMG RES SENNEBOGEN 835 835.0.2022 - HYDRAULIC SYSTEM



Sample No: VCP413907
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM608251 AMG RES



SAMPLE INFORMATION

Sample Number	VCP413907	VCP388588	---	---
Sample Date	19 Oct 2023	16 Sep 2022	---	---
Machine Hours	15169	11642	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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5000 INDUSTRIAL HWY
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OIL CONDITION

Visc @ 40°C	cSt	41.6	43.2	---	---
Acid Number (AN)	mg KOH/g	0.49	0.30	---	---



CONTAMINATION

Particles >4µm		65242	15343	---	---
Particles >6µm		22841	3384	---	---
Particles >14µm		3555	392	---	---
ISO 4406:1999 (c)		23/22/19	21/19/16	---	---
Silicon	ppm	0	0	---	---
Sodium	ppm	0	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 high amount of particulates present in the oil. Moderate concentration of visible dirt/debris 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	<1	2	---	---
Copper	ppm	12	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	2	3	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	93	65	---	---
Magnesium	ppm	12	4	---	---
Zinc	ppm	497	463	---	---
Phosphorus	ppm	376	371	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO8885
Unique No: 10712944
Signed: Don Baldrige
Report Date: 28 Oct 2023

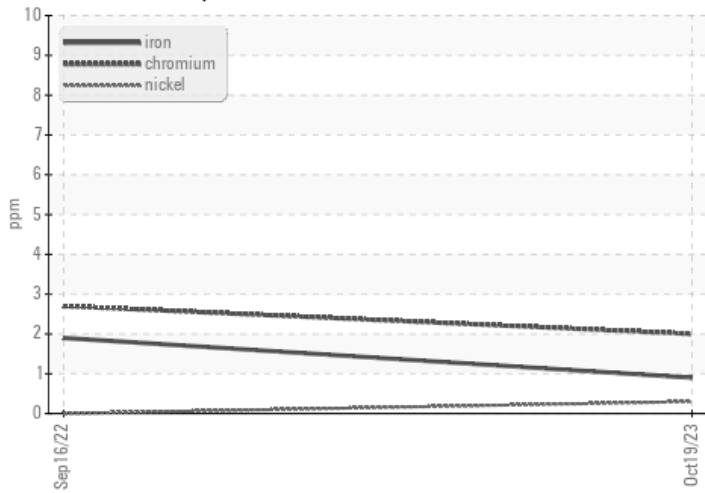


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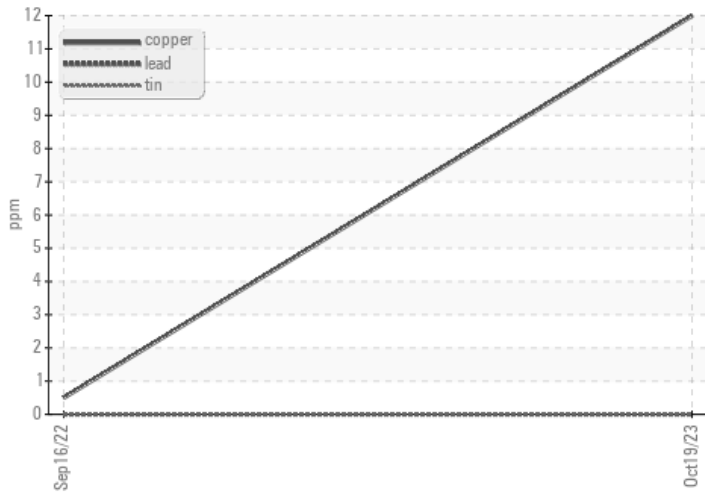


GRAPHS

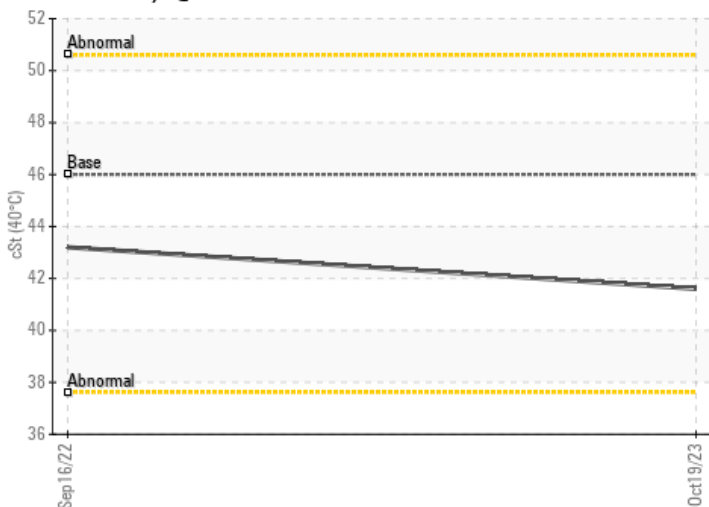
Ferrous Alloys



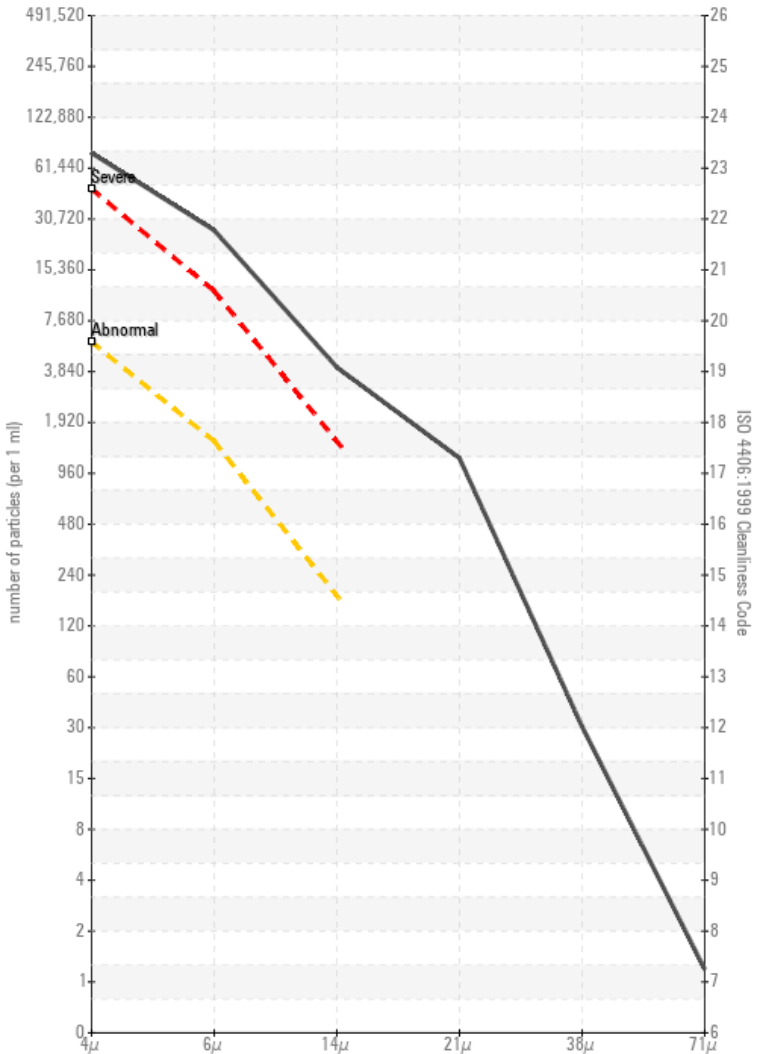
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

