



CONSTRUCTION EQUIPMENT

SPM702435 AMG RES SENNEBOGEN 830ME 830.0.2822 - HYDRAULIC SYSTEM



Sample No: VCP446190
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM702435 AMG RES



SAMPLE INFORMATION

Sample Number	VCP446190	VCP427365	VCP423274	VCP382783
Sample Date	23 Apr 2024	19 Oct 2023	17 Oct 2023	10 Jul 2023
Machine Hours	9464	9029	1492	8436
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.5	41.7	42.8	43.3
Acid Number (AN)	mg KOH/g	0.39	0.50	0.26	0.33

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6349	55972	4618	1335
Particles >6µm		277	24559	578	237
Particles >14µm		12	5277	19	16
ISO 4406:1999 (c)		20/15/11	23/22/20	19/16/11	18/15/11
Silicon	ppm	0	0	3	<1
Sodium	ppm	<1	0	<1	0
Potassium	ppm	0	0	0	<1

Diagnosis

The filter change at the time of sampling has been noted. 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	2	<1	2	2
Copper	ppm	0	12	1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	67	93	58	65
Magnesium	ppm	3	12	<1	4
Zinc	ppm	465	500	394	477
Phosphorus	ppm	372	378	307	357
Barium	ppm	<1	0	0	1
Boron	ppm	0	0	0	0

Depot: VOLVO8885
Unique No: 11029976
Signed: Wes Davis
Report Date: 15 May 2024

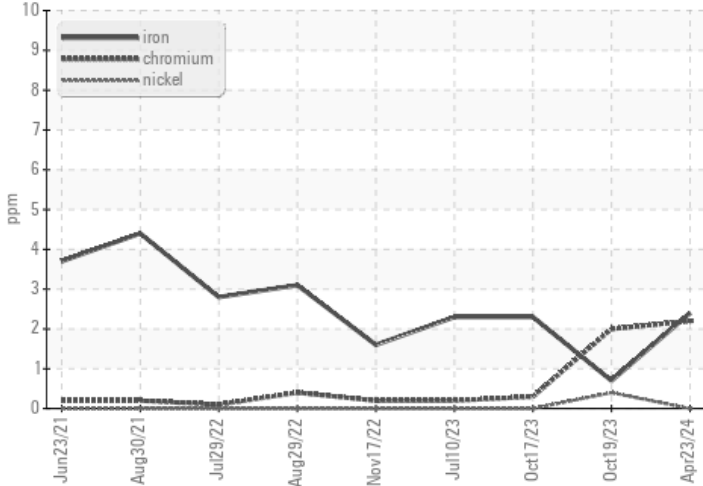


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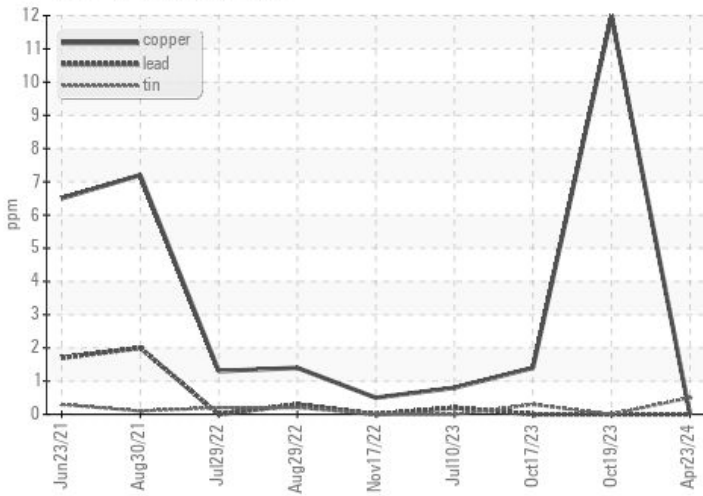


GRAPHS

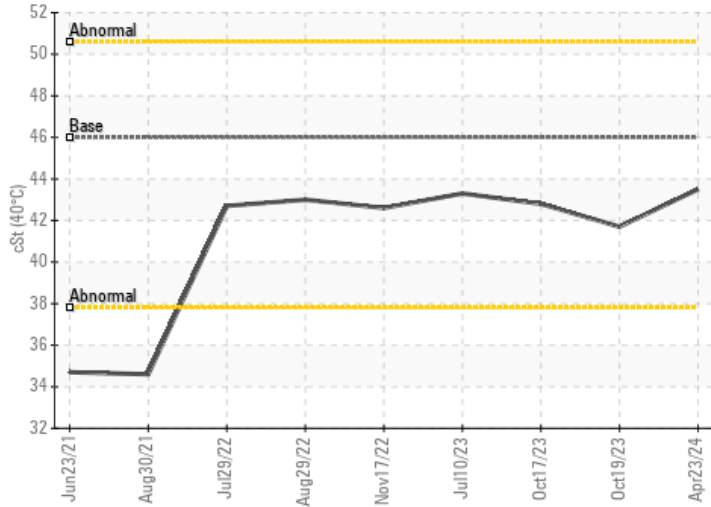
Ferrous Alloys



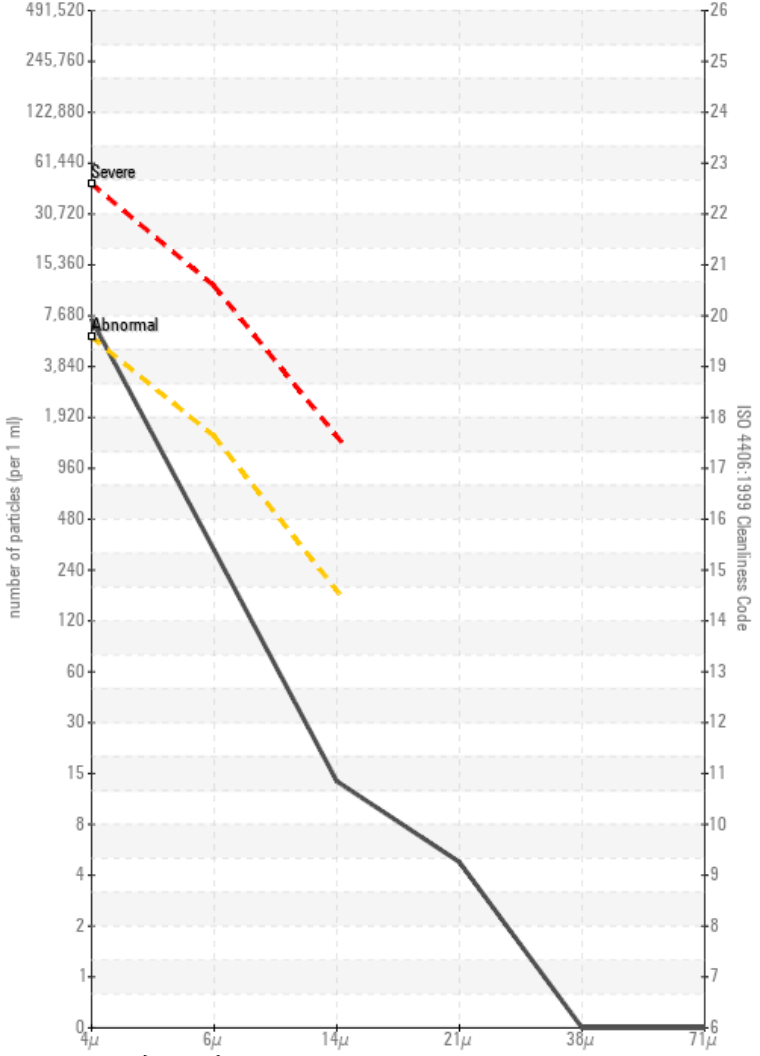
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

