



CONSTRUCTION EQUIPMENT

SPM621411 SENNEBOGEN 825ME 825.0.3415 - HYDRAULIC SYSTEM



Sample No: VCP425259
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM621411



SAMPLE INFORMATION

Sample Number	VCP425259	VCP415075	VCP418523	VCP410843
Sample Date	10 Nov 2023	25 Aug 2023	08 May 2023	09 Mar 2023
Machine Hours	7516	7037	6085	5539
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

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 CHICAGO, IL
 US 60628
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 F:

OIL CONDITION

Visc @ 40°C	cSt	39.8	39.2	40.1	38.8
Acid Number (AN)	mg KOH/g	0.49	0.56	0.55	0.46

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 5190	2662	1951	▲ 18000
Particles >6µm		1042	606	360	▲ 5362
Particles >14µm		70	36	26	▲ 203
ISO 4406:1999 (c)		20/17/13	19/16/12	18/16/12	21/20/15
Silicon	ppm	0	<1	0	1
Sodium	ppm	8	7	2	3
Potassium	ppm	0	0	0	0

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	10	8	7	5
Copper	ppm	3	3	2	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	200	319	226	220
Magnesium	ppm	0	0	1	3
Zinc	ppm	286	385	331	333
Phosphorus	ppm	244	333	279	279
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: ALLCHIL
Unique No: 10766939
Signed: Wes Davis
Report Date: 04 Dec 2023

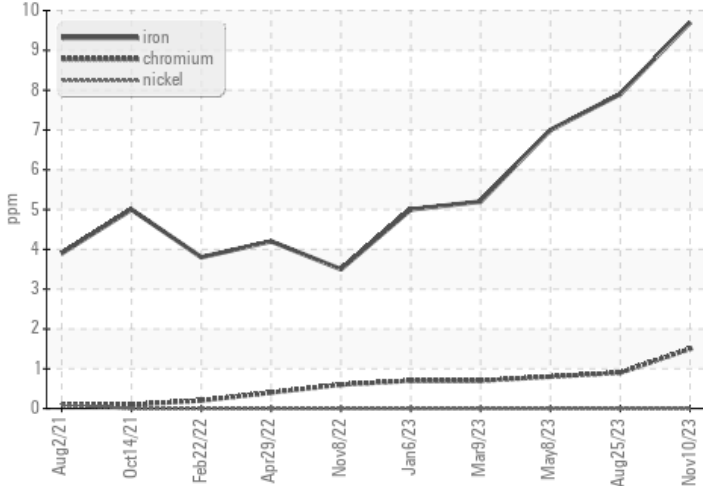


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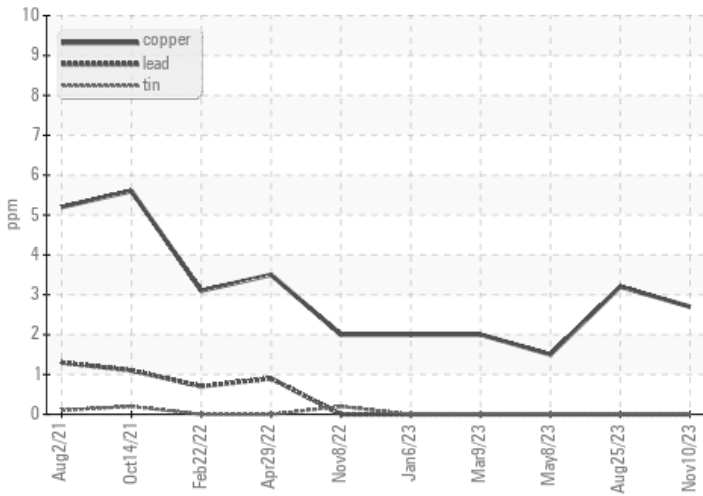


GRAPHS

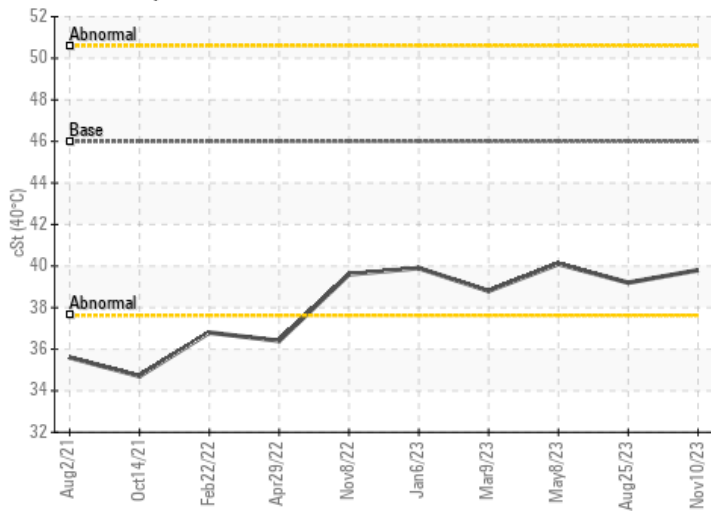
Ferrous Alloys



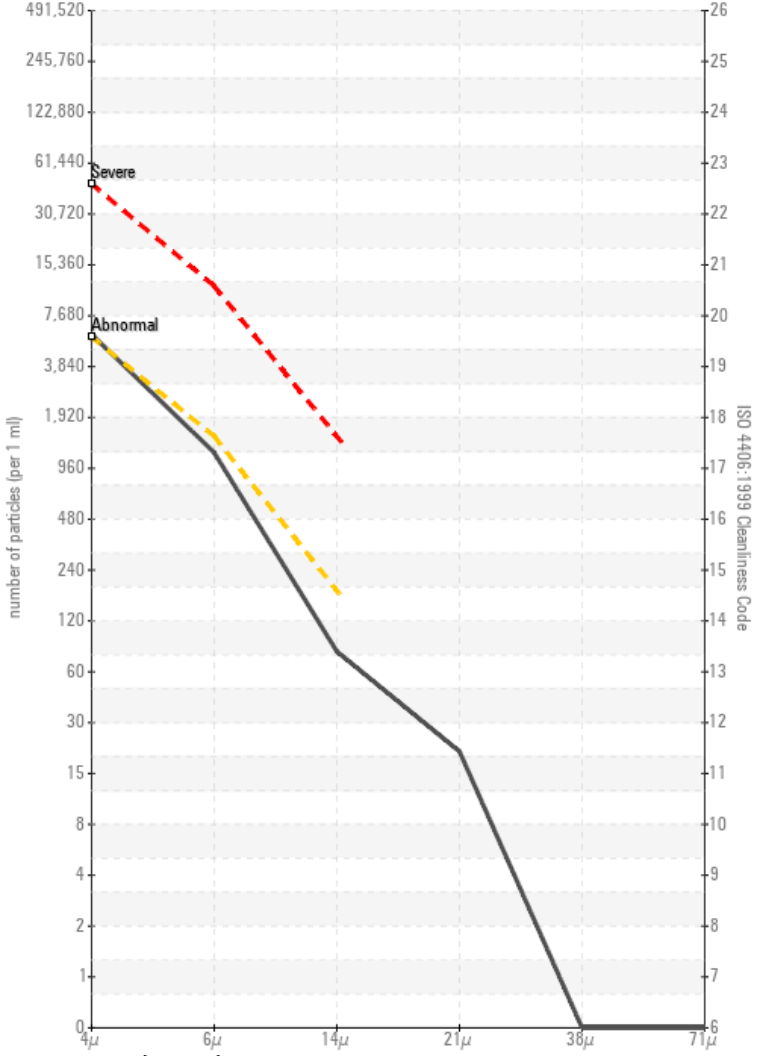
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

