

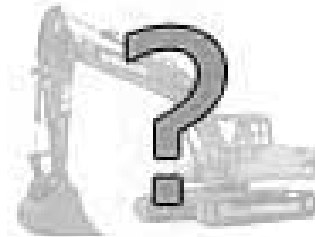


CONSTRUCTION EQUIPMENT

SPM621417 SENNEBOGEN 825ME 825.0.3425 - HYDRAULIC SYSTEM



Sample No: VCP415039
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM621417



SAMPLE INFORMATION

Sample Number	VCP415039	VCP423413	VCP404937	VCP383268
Sample Date	18 Oct 2023	08 Jun 2023	29 Mar 2023	01 Feb 2023
Machine Hours	7157	5757	5489	5060
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

ALL AMERICAN RECYCLING
 11900 S COTTAGE GROVE AVE
 CHICAGO, IL
 US 60628
 Contact: TOM BOCHENEK
 ferrous@aarecyclcles.com
 T: (815)735-9892
 F:

OIL CONDITION

Visc @ 40°C	cSt	42.3	42.1	42.1	42.1
Acid Number (AN)	mg KOH/g	0.77	0.65	0.69	0.62

CONTAMINATION

Particles >4µm		18553	11585	2713	13998
Particles >6µm		4623	2865	523	2269
Particles >14µm		209	145	20	124
ISO 4406:1999 (c)		21/19/15	21/19/14	19/16/11	21/18/14
Silicon	ppm	<1	1	<1	<1
Sodium	ppm	3	0	2	2
Potassium	ppm	<1	1	<1	0

Diagnosis

We recommend you service the filters on this component. 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	3	6	5	4
Copper	ppm	2	2	2	<1
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	1	<1	<1	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	440	146	157	167
Magnesium	ppm	5	5	5	6
Zinc	ppm	550	591	581	567
Phosphorus	ppm	440	453	441	445
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: ALLCHILL
Unique No: 10737963
Signed: Wes Davis
Report Date: 13 Nov 2023

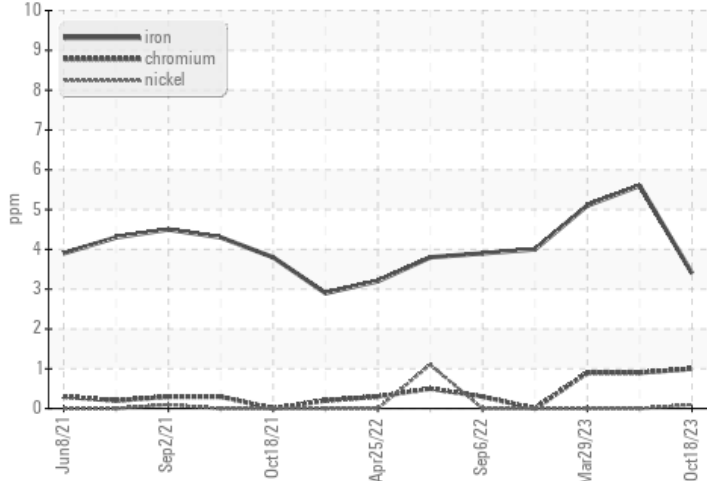


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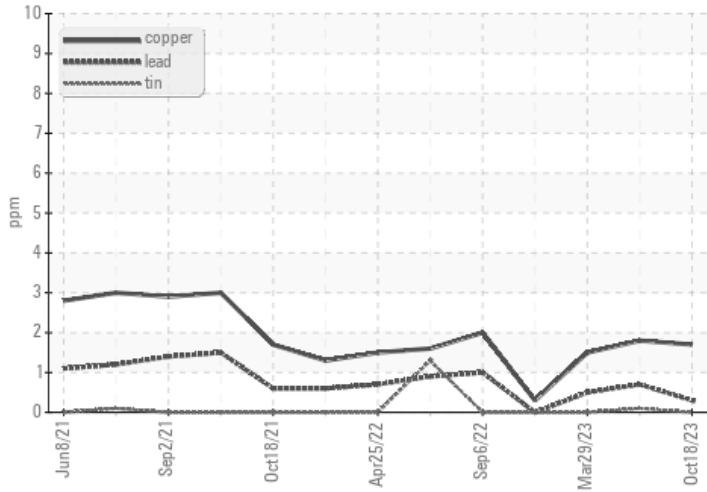


GRAPHS

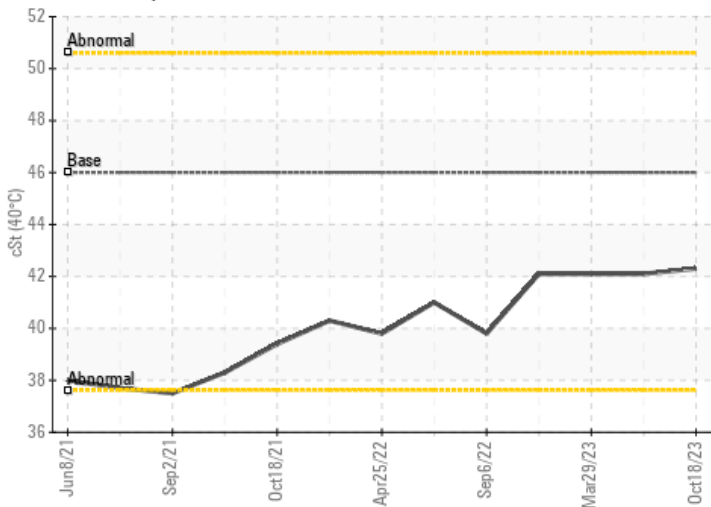
Ferrous Alloys



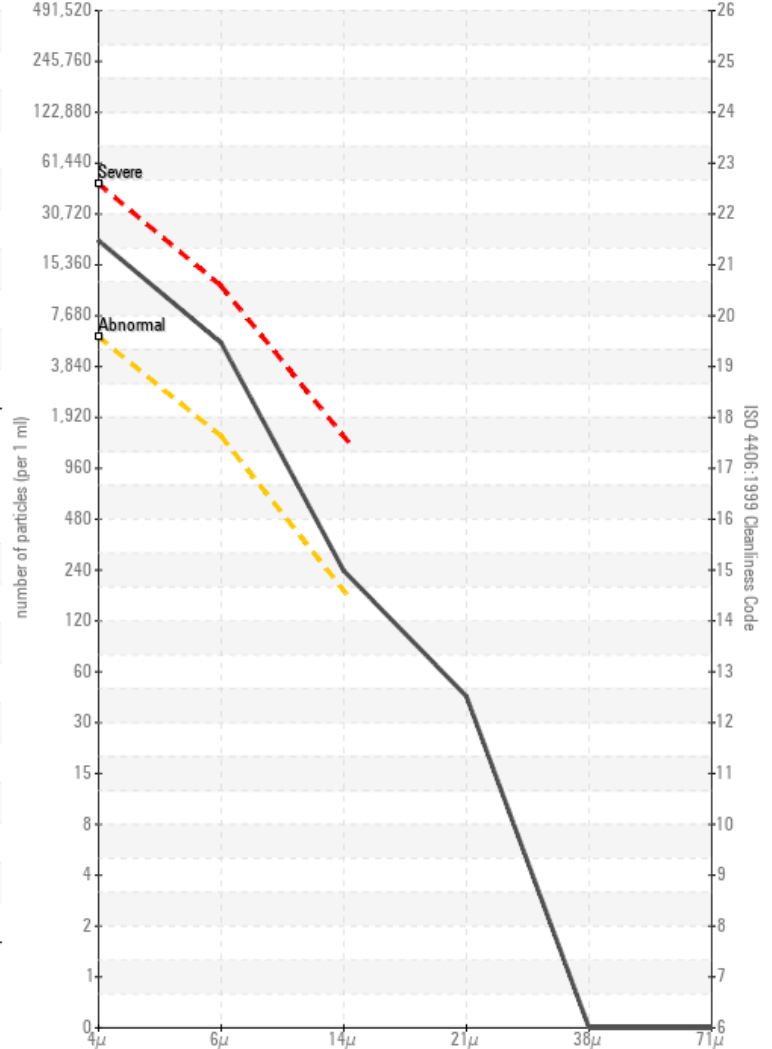
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

