



# CONSTRUCTION EQUIPMENT

## SPM620969 SENNEBOGEN 830ME 830.0.2822 - HYDRAULIC SYSTEM



**Sample No:** VCP423274  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM620969



### SAMPLE INFORMATION

Sample Number	<b>VCP423274</b>	VCP382783	VCP387422	VCP378773
Sample Date	<b>17 Oct 2023</b>	10 Jul 2023	17 Nov 2022	29 Aug 2022
Machine Hours	<b>1492</b>	8436	6992	6618
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	ABNORMAL

**OZINGA BROS INC**  
 19001 OLD LAGRANDE RD  
 MOKENA, IL  
 US 60448  
 Contact: ED JONGSMA

### OIL CONDITION

Visc @ 40°C	cSt	<b>42.8</b>	43.3	42.6	43.0
Acid Number (AN)	mg KOH/g	<b>0.26</b>	0.33	0.39	0.39

T: (708)326-4200  
 F:

### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		<b>4618</b>	1335	10265	20007
Particles >6µm		<b>578</b>	237	1195	4443
Particles >14µm		<b>19</b>	16	62	236
ISO 4406:1999 (c)		<b>19/16/11</b>	18/15/11	21/17/13	22/19/15
Silicon	ppm	<b>3</b>	<1	<1	<1
Sodium	ppm	<b>&lt;1</b>	0	0	0
Potassium	ppm	<b>0</b>	<1	0	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>2</b>	2	2	3
Copper	ppm	<b>1</b>	<1	<1	1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>58</b>	65	69	80
Magnesium	ppm	<b>&lt;1</b>	4	4	2
Zinc	ppm	<b>394</b>	477	474	452
Phosphorus	ppm	<b>307</b>	357	385	359
Barium	ppm	<b>0</b>	1	0	0
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** OZIMOKVC  
**Unique No:** 10882947  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024

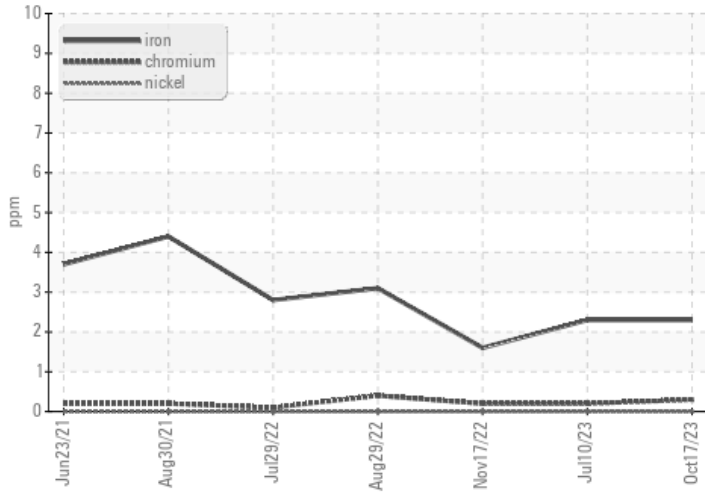


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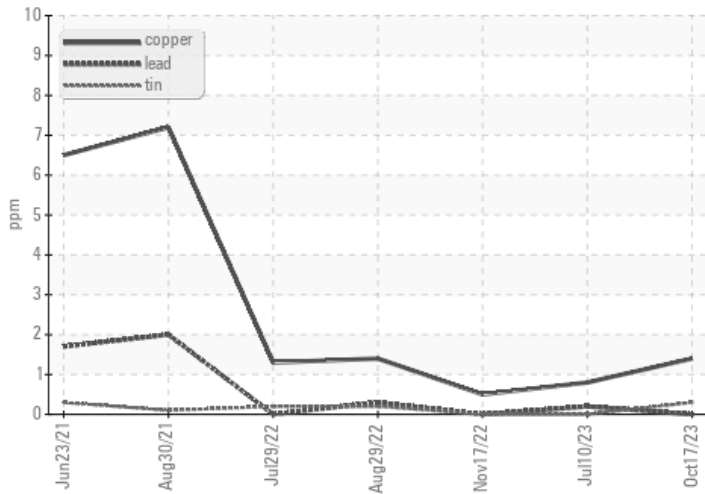


## GRAPHS

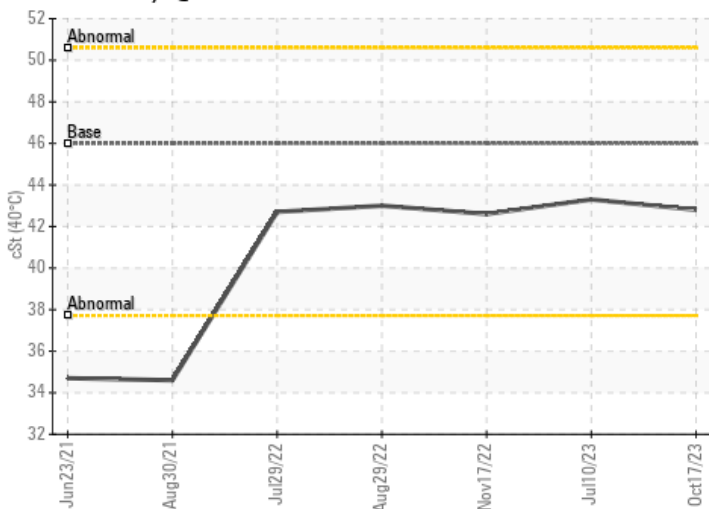
### Ferrous Alloys



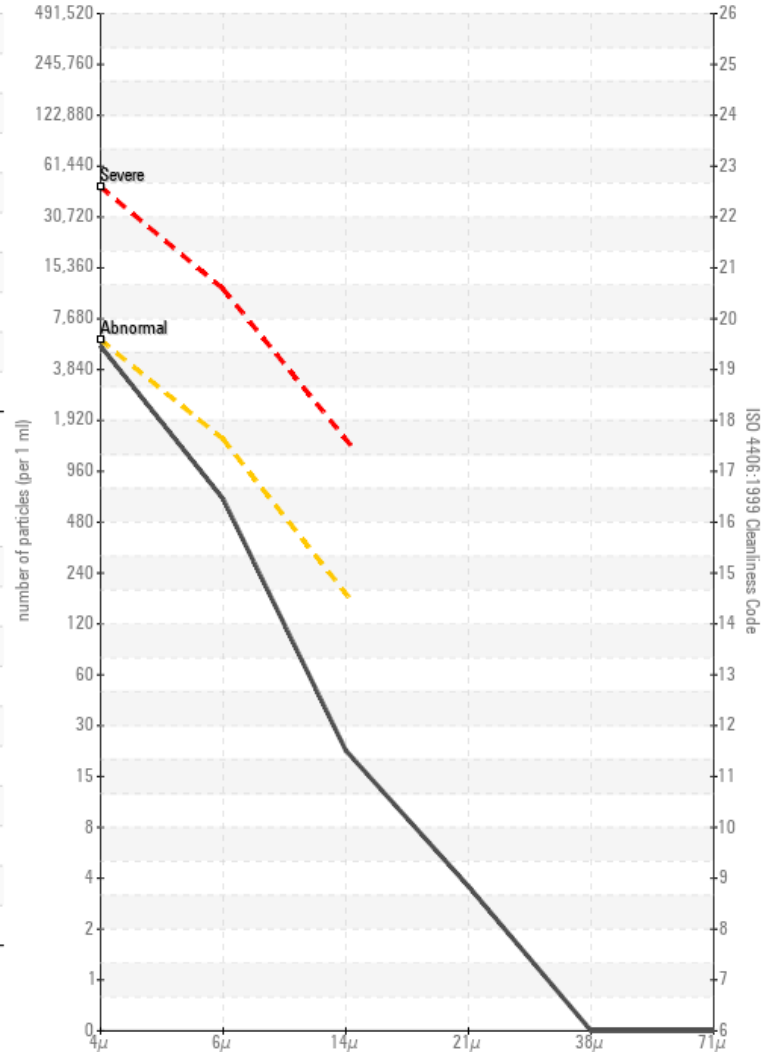
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

