



# CONSTRUCTION EQUIPMENT

## SPM634758 SENNEBOGEN 825ME 825.0.3752 - HYDRAULIC SYSTEM



**Sample No:** VCP428529  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM634758



### SAMPLE INFORMATION

Sample Number	<b>VCP428529</b>	VCP404348	VCP365778	---
Sample Date	<b>29 Nov 2023</b>	19 Jan 2023	25 Oct 2022	---
Machine Hours	<b>2519</b>	995	550	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	ATTENTION	ABNORMAL	---

**LEMONT SCRAP**  
 16229 NEW AVE.  
 LEMONT, IL  
 US 60432  
 Contact: Service Manager

### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 37.6</b>	▲ 36.5	▲ 37.7	---
Acid Number (AN)	mg KOH/g	<b>■ 0.88</b>	■ 1.12	■ 1.02	---

T:  
F:

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>▲ 7562</b>	■ 3413	▲ 18493	---
Particles >6µm		<b>▲ 1526</b>	■ 627	▲ 4604	---
Particles >14µm		<b>■ 83</b>	■ 28	▲ 321	---
ISO 4406:1999 (c)		<b>20/18/14</b>	19/16/12	21/19/16	---
Silicon	ppm	<b>■ 1</b>	■ 1	■ 2	---
Sodium	ppm	<b>■ 5</b>	■ 3	■ 1	---
Potassium	ppm	<b>■ 0</b>	■ 0	■ <1	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

### WEAR METALS

Iron	ppm	<b>■ 6</b>	■ 6	■ 5	---
Copper	ppm	<b>■ 5</b>	■ 3	■ 2	---
Lead	ppm	<b>■ &lt;1</b>	■ <1	■ 1	---
Tin	ppm	<b>■ 0</b>	■ 0	■ <1	---
Aluminum	ppm	<b>■ 0</b>	■ <1	■ 1	---
Chromium	ppm	<b>■ 2</b>	■ <1	■ <1	---
Molybdenum	ppm	<b>■ 0</b>	■ 0	■ 0	---
Nickel	ppm	<b>■ 0</b>	■ 0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>■ 0</b>	■ <1	■ <1	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>621</b>	▲ 985	▲ 1060	---
Magnesium	ppm	<b>■ 0</b>	■ 4	■ 4	---
Zinc	ppm	<b>■ 572</b>	■ 631	▲ 693	---
Phosphorus	ppm	<b>■ 471</b>	■ 505	▲ 562	---
Barium	ppm	<b>■ 0</b>	■ 0	■ 2	---
Boron	ppm	<b>■ 0</b>	■ 0	■ <1	---

**Depot:** LEMLEMVC  
**Unique No:** 10792952  
**Signed:** Jonathan Hester  
**Report Date:** 20 Dec 2023

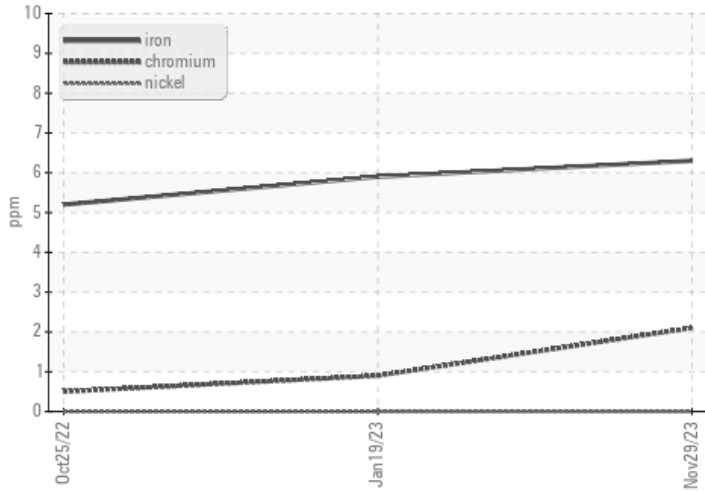


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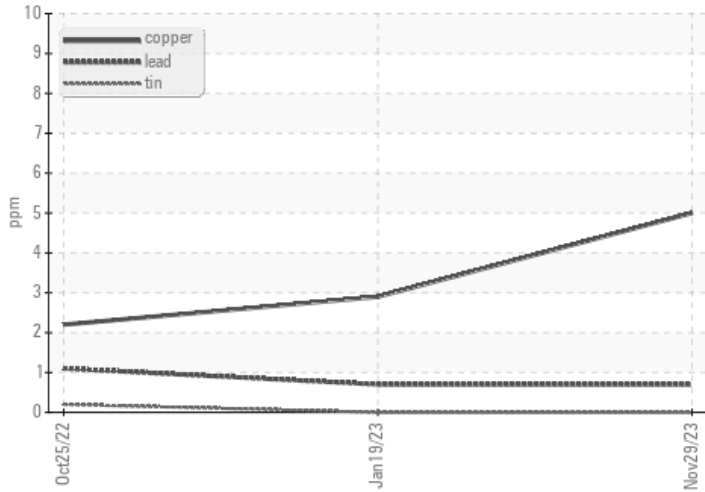


## GRAPHS

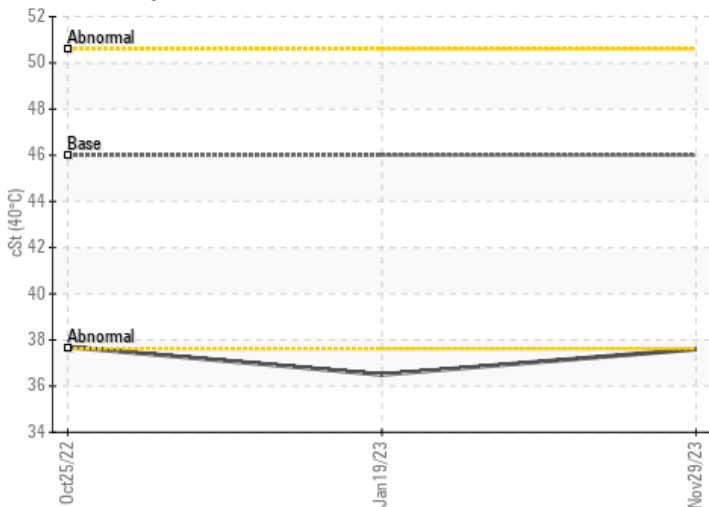
### Ferrous Alloys



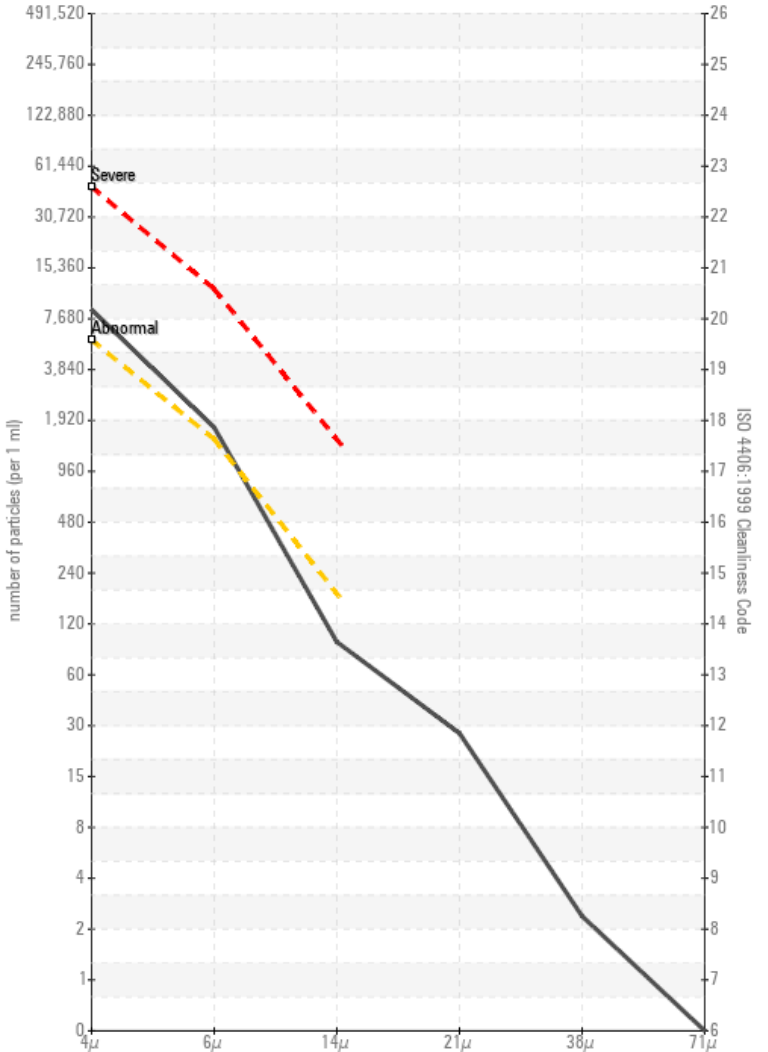
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

