



# CONSTRUCTION EQUIPMENT

SPM633739 VOLVO L120H 633335 - HYDRAULIC SYSTEM



**Sample No:** VCP429116  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM633739



## SAMPLE INFORMATION

Sample Number	<b>VCP429116</b>	VCP425590	VCP420188	---
Sample Date	<b>15 Nov 2023</b>	28 Sep 2023	27 Jul 2023	---
Machine Hours	<b>1509</b>	999	613	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ATTENTION</b>	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>	43.0	43.5	---
Acid Number (AN)	mg KOH/g	<b>0.32</b>	0.43	0.34	---

T: (708)326-4200  
 F:



## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>▲ 7952</b>	▲ 10985	▲ 21213	---
Particles >6µm		<b>■ 901</b>	▲ 2234	▲ 5752	---
Particles >14µm		<b>■ 35</b>	■ 103	▲ 396	---
ISO 4406:1999 (c)		<b>20/17/12</b>	21/18/14	22/20/16	---
Silicon	ppm	<b>■ 2</b>	■ 2	■ 2	---
Sodium	ppm	<b>■ &lt;1</b>	■ 0	■ <1	---
Potassium	ppm	<b>■ 0</b>	■ 0	■ 0	---

## Diagnosis

We recommend you service the filters on this component. 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	<b>■ 5</b>	■ 2	■ 3	---
Copper	ppm	<b>■ 2</b>	■ 1	■ 1	---
Lead	ppm	<b>■ 0</b>	■ 0	■ 0	---
Tin	ppm	<b>■ &lt;1</b>	■ <1	■ 0	---
Aluminum	ppm	<b>■ 0</b>	■ 0	■ 1	---
Chromium	ppm	<b>■ &lt;1</b>	■ <1	■ <1	---
Molybdenum	ppm	<b>■ &lt;1</b>	■ 0	■ <1	---
Nickel	ppm	<b>■ 0</b>	■ 0	■ 0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>■ &lt;1</b>	■ <1	■ <1	---
Vanadium	ppm	<b>0</b>	0	<1	---



## ADDITIVES

Calcium	ppm	<b>■ 56</b>	■ 61	■ 62	---
Magnesium	ppm	<b>■ 1</b>	■ 1	■ 1	---
Zinc	ppm	<b>■ 399</b>	■ 425	■ 434	---
Phosphorus	ppm	<b>■ 310</b>	■ 332	■ 348	---
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 0</b>	■ 0	■ 0	---

**Depot:** OZIMOKVC  
**Unique No:** 10882946  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024

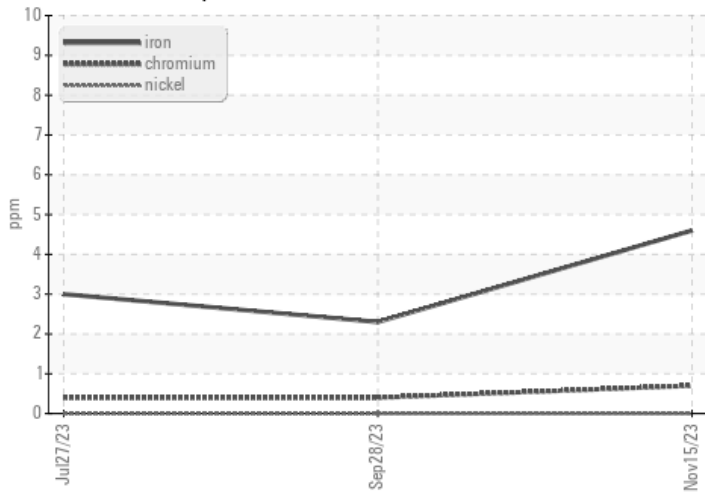


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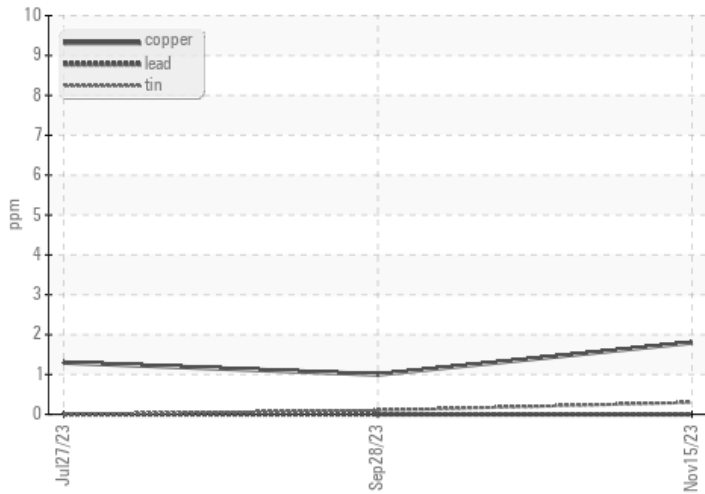


## GRAPHS

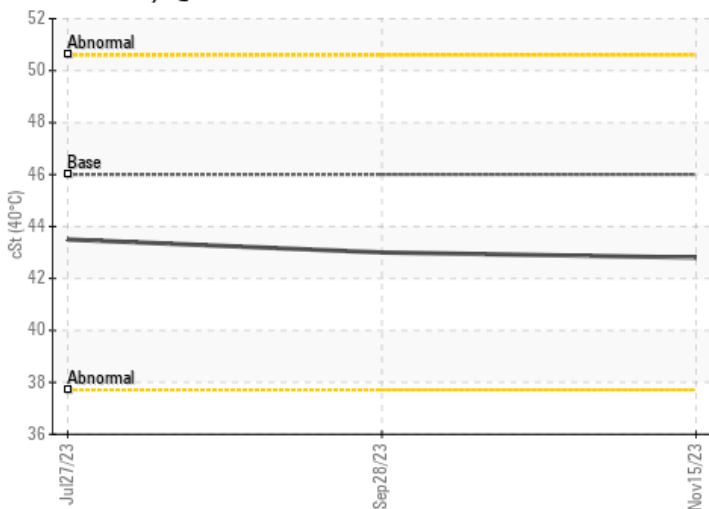
### Ferrous Alloys



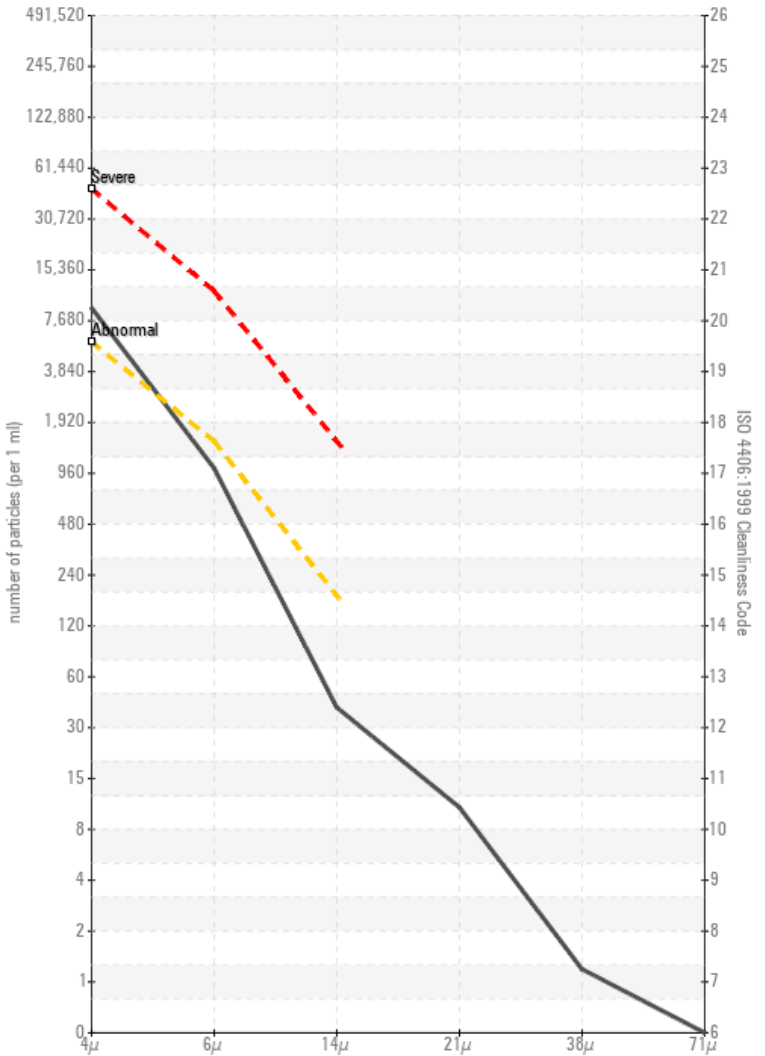
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

