



# CONSTRUCTION EQUIPMENT

## SPM579011 VOLVO L120H 632945 - HYDRAULIC SYSTEM



**Sample No:** VCP423155  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM579011



### SAMPLE INFORMATION

Sample Number	<b>VCP423155</b>	VCP405714	VCP401576	VCP364784
Sample Date	<b>18 Jul 2023</b>	12 May 2023	27 Jan 2023	28 Sep 2022
Machine Hours	<b>3117</b>	2627	2078	1524
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	N/A
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.9</b>	42.3	42.4	42.9
Acid Number (AN)	mg KOH/g	<b>0.33</b>	0.30	0.30	0.31

T: (708)326-4200  
 F:



### CONTAMINATION

Particles >4µm	<b>2729</b>	2528	4771	39932
Particles >6µm	<b>500</b>	449	826	5536
Particles >14µm	<b>23</b>	31	28	101
ISO 4406:1999 (c)	<b>19/16/12</b>	19/16/12	19/17/12	22/20/14
Silicon	ppm	<b>2</b>	3	2
Sodium	ppm	<b>0</b>	1	0
Potassium	ppm	<b>&lt;1</b>	1	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>5</b>	4	2	3
Copper	ppm	<b>2</b>	1	<1	1
Lead	ppm	<b>2</b>	1	<1	<1
Tin	ppm	<b>0</b>	<1	0	<1
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>1</b>	1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	<1
Nickel	ppm	<b>&lt;1</b>	<1	0	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>67</b>	77	63	64
Magnesium	ppm	<b>4</b>	4	6	3
Zinc	ppm	<b>464</b>	442	414	446
Phosphorus	ppm	<b>351</b>	355	328	346
Barium	ppm	<b>2</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** OZIMOKVC  
**Unique No:** 10574243  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023

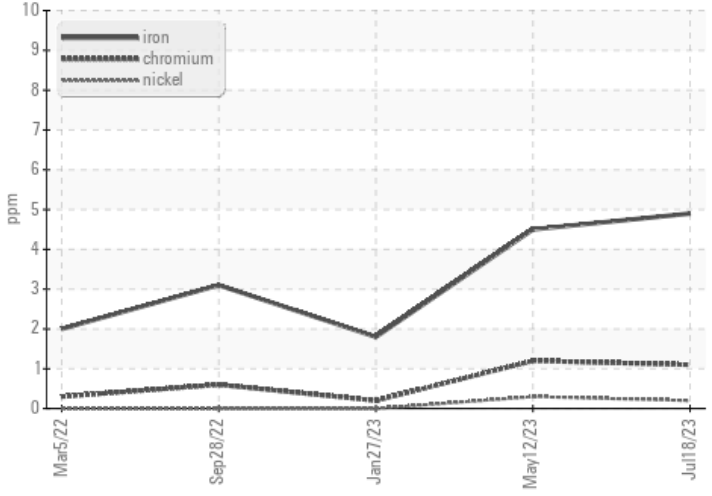


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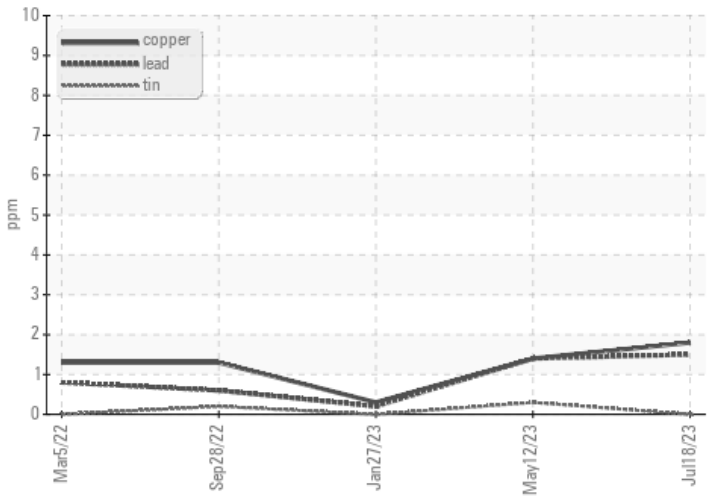


## GRAPHS

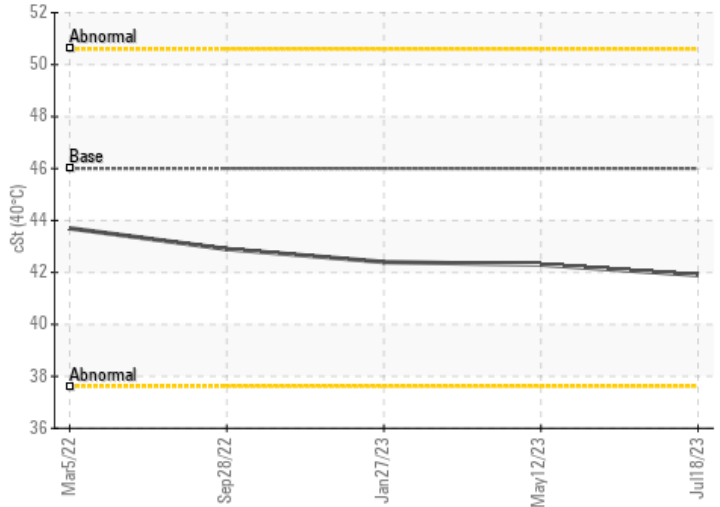
### Ferrous Alloys



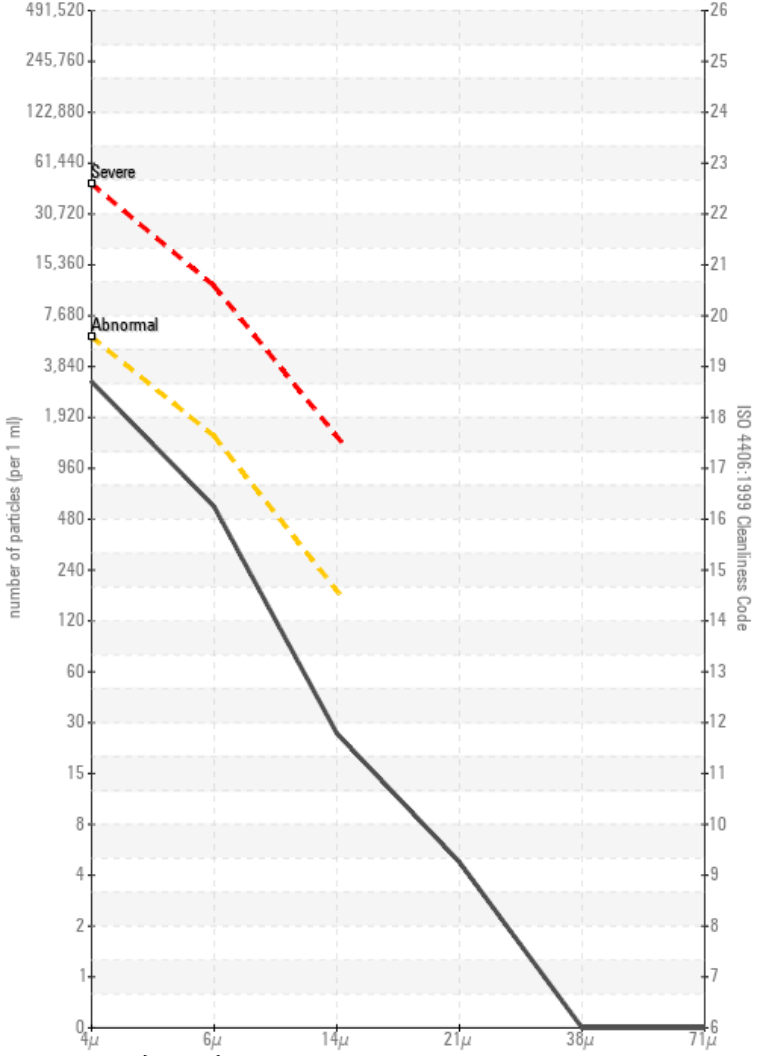
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

