



# CONSTRUCTION EQUIPMENT

IMPACT AUTO 8387332 VOLVO L90H 632895 - HYDRAULIC SYSTEM



**Sample No:** VCP450311  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 8387332



## SAMPLE INFORMATION

Sample Number	VCP450311	VCP298236	---	---
Sample Date	17 Jan 2024	30 Jul 2021	---	---
Machine Hours	12280	7970	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

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## OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	█ 41.7	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 27549	█ 3112	---	---
Particles >6µm		▲ 5636	█ 341	---	---
Particles >14µm		▲ 518	█ 28	---	---
ISO 4406:1999 (c)		22/20/16	19/16/12	---	---
Silicon	ppm	█ 3	█ 3	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ <1	█ <1	---	---

### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## WEAR METALS

Iron	ppm	█ 7	█ 7	---	---
Copper	ppm	█ 2	█ 4	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 4	█ 4	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	█ 63	█ 62	---	---
Magnesium	ppm	█ 2	█ 2	---	---
Zinc	ppm	█ 413	█ 429	---	---
Phosphorus	ppm	█ 337	█ 360	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ <1	█ <1	---	---

**Depot:** SHEMIS  
**Unique No:** 5711391  
**Signed:** Wes Davis  
**Report Date:** 23 Jan 2024

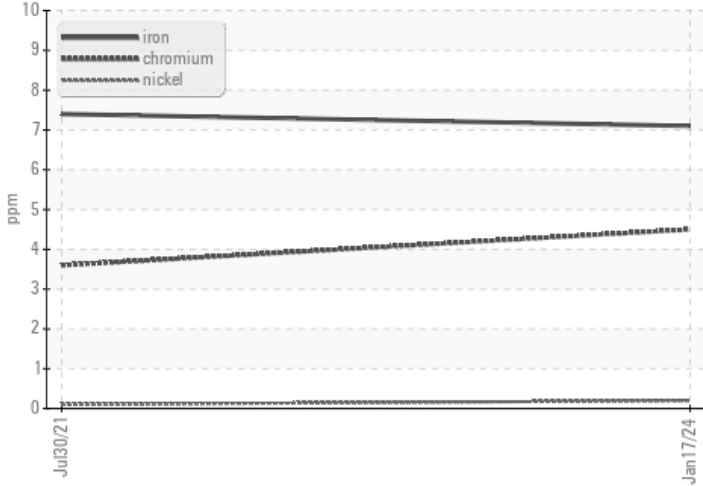


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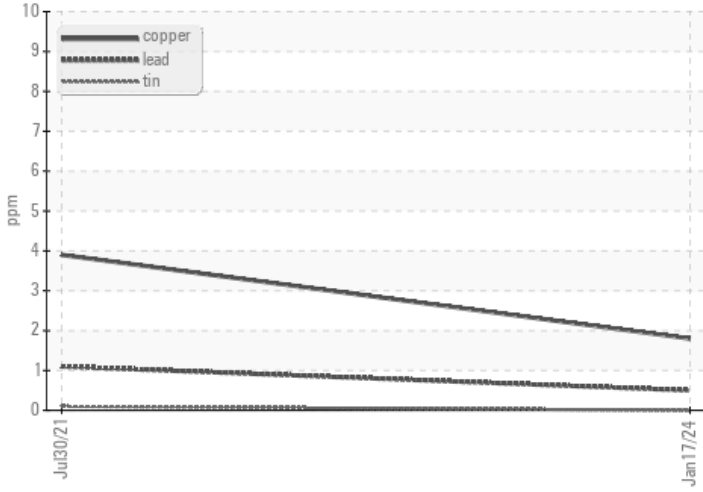


## GRAPHS

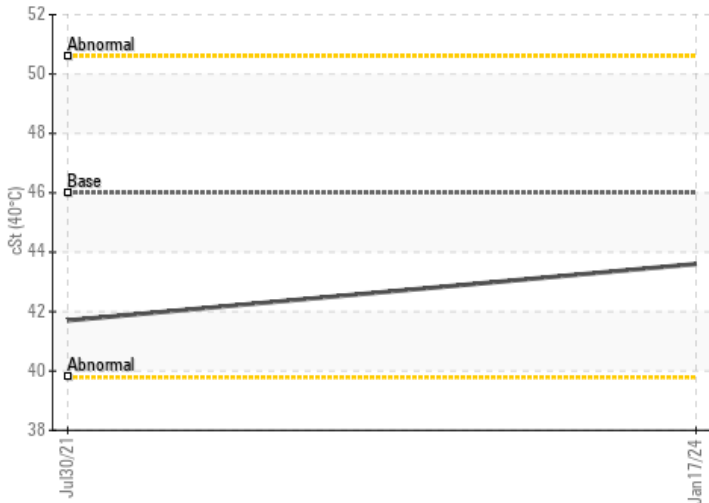
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

