



# CONSTRUCTION EQUIPMENT

## SW1027198 HYDRO ALUM VOLVO L60H 62256 - HYDRAULIC SYSTEM



**Sample No:** VCP427155  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SW1027198 HYDRO ALUM



### SAMPLE INFORMATION

Sample Number	<b>VCP427155</b>	VCP417380	VCP382977	---
Sample Date	<b>06 Dec 2023</b>	14 Aug 2023	13 Apr 2023	---
Machine Hours	<b>6012</b>	5325	4627	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Chngd	Changed	---
Sample Status	<b>ABNORMAL</b>	ATTENTION	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	43.2	42.9	---
Acid Number (AN)	mg KOH/g	<b>0.34</b>	0.42	0.48	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>19641</b>	3082	11656	---
Particles >6µm		<b>4334</b>	966	2856	---
Particles >14µm		<b>235</b>	83	147	---
ISO 4406:1999 (c)		<b>21/19/15</b>	19/17/14	21/19/14	---
Silicon	ppm	<b>&lt;1</b>	<1	2	---
Sodium	ppm	<b>1</b>	0	<1	---
Potassium	ppm	<b>0</b>	<1	0	---

### 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 AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	<b>2</b>	3	4	---
Copper	ppm	<b>&lt;1</b>	2	2	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>&lt;1</b>	4	6	---
Aluminum	ppm	<b>0</b>	0	<1	---
Chromium	ppm	<b>5</b>	5	8	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>0</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>58</b>	60	55	---
Magnesium	ppm	<b>5</b>	6	4	---
Zinc	ppm	<b>431</b>	438	406	---
Phosphorus	ppm	<b>351</b>	336	322	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** VOLVO6174  
**Unique No:** 10782104  
**Signed:** Wes Davis  
**Report Date:** 13 Dec 2023

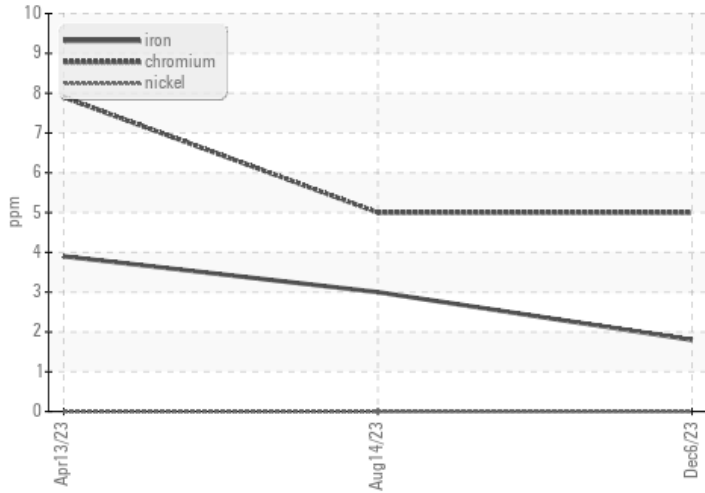


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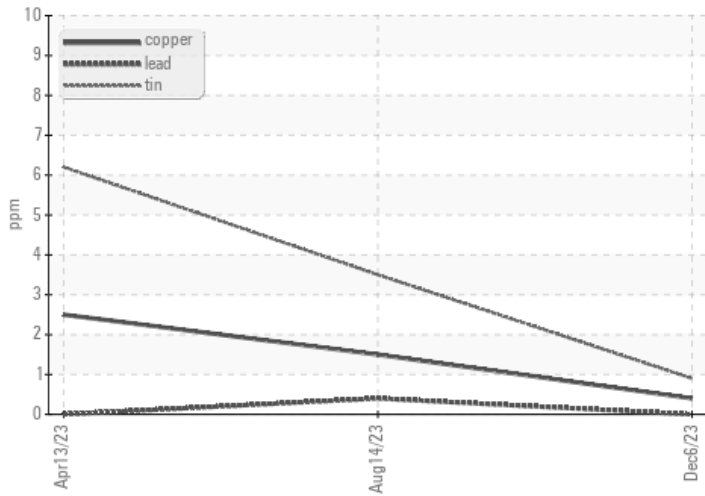


## VOLVO GRAPHS

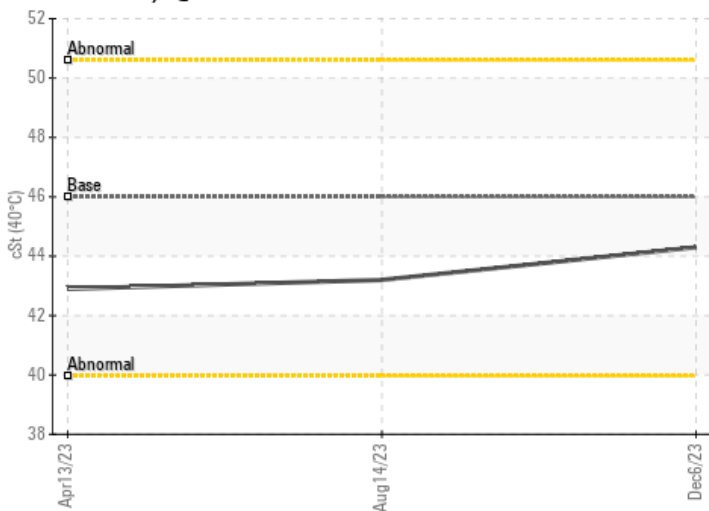
### Ferrous Alloys



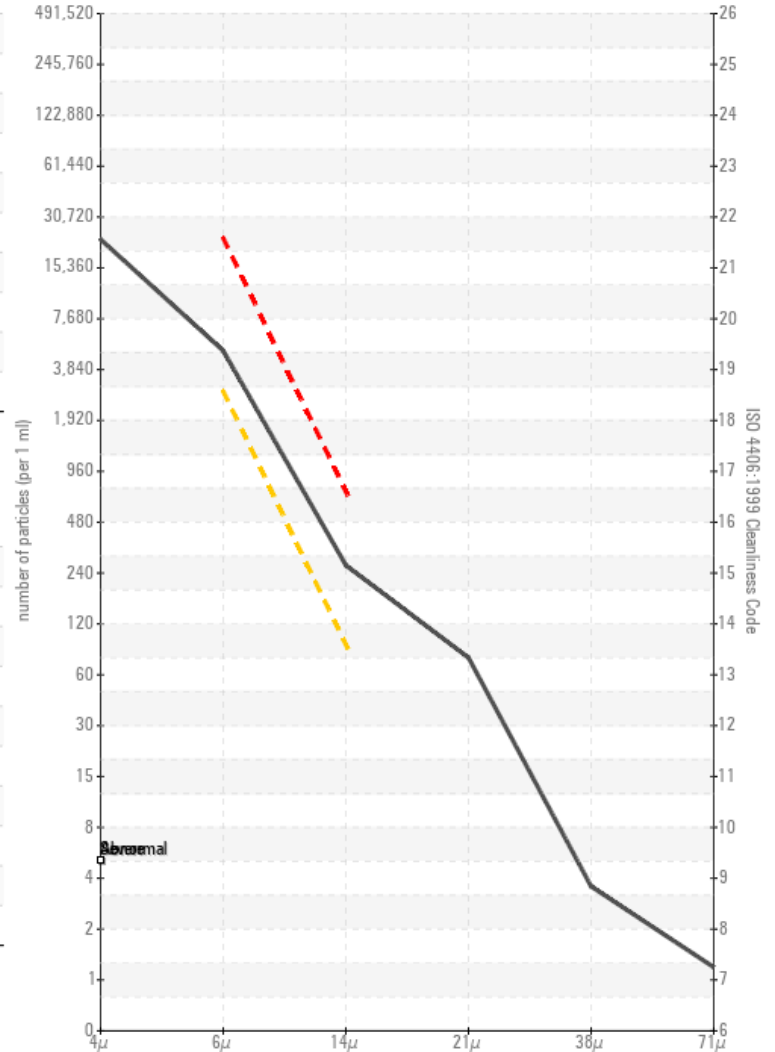
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

