



# CONSTRUCTION EQUIPMENT

## VOLVO L60H 621848 - HYDRAULIC SYSTEM



**Sample No:** VCP446673  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP446673</b>	VCP421426	---	---
Sample Date	<b>14 May 2024</b>	18 Aug 2023	---	---
Machine Hours	<b>5769</b>	4546	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.6</b>	48.1	---	---
Acid Number (AN)	mg KOH/g	<b>0.34</b>	0.60	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>8540</b>	11521	---	---
Particles >6µm		<b>2095</b>	2324	---	---
Particles >14µm		<b>121</b>	244	---	---
ISO 4406:1999 (c)		<b>20/18/14</b>	21/18/15	---	---
Silicon	ppm	<b>3</b>	2	---	---
Sodium	ppm	<b>1</b>	0	---	---
Potassium	ppm	<b>0</b>	1	---	---

### Diagnosis

The filter change at the time of sampling has been noted. 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>7</b>	7	---	---
Copper	ppm	<b>2</b>	3	---	---
Lead	ppm	<b>3</b>	3	---	---
Tin	ppm	<b>0</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	0	---	---
Chromium	ppm	<b>1</b>	1	---	---
Molybdenum	ppm	<b>5</b>	0	---	---
Nickel	ppm	<b>0</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	0	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>213</b>	46	---	---
Magnesium	ppm	<b>38</b>	<1	---	---
Zinc	ppm	<b>416</b>	398	---	---
Phosphorus	ppm	<b>343</b>	304	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>9</b>	0	---	---

**Depot:** VOLVO0090  
**Unique No:** 11035546  
**Signed:** Wes Davis  
**Report Date:** 21 May 2024



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## VOLVO GRAPHS

