



# CONSTRUCTION EQUIPMENT

## 9570 VOLVO A30G 742606 - HYDRAULIC SYSTEM



**Sample No:** VCP413776  
**Oil Type:** CHEVRON HYDRAULIC OIL AW ISO 46  
**Job No:** 9570



### SAMPLE INFORMATION

Sample Number	<b>VCP413776</b>	VCP318425	VCP294840	---
Sample Date	<b>14 Sep 2023</b>	01 Nov 2021	19 Nov 2020	---
Machine Hours	<b>4157</b>	2029	868	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.5</b>	46.1	46.7	---
Acid Number (AN)	mg KOH/g	<b>0.37</b>	0.497	0.434	---

### CONTAMINATION

Particles >4µm		<b>618</b>	1426	7508	---
Particles >6µm		<b>109</b>	326	2140	---
Particles >14µm		<b>15</b>	39	144	---
ISO 4406:1999 (c)		<b>16/14/11</b>	18/16/12	20/18/14	---
Silicon	ppm	<b>6</b>	3	3	---
Sodium	ppm	<b>4</b>	3	<1	---
Potassium	ppm	<b>0</b>	0	<1	---

### 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>10</b>	8	6	---
Copper	ppm	<b>7</b>	7	6	---
Lead	ppm	<b>3</b>	4	3	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>0</b>	2	0	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	<1	<1	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>65</b>	69	53	---
Magnesium	ppm	<b>5</b>	1	<1	---
Zinc	ppm	<b>435</b>	499	448	---
Phosphorus	ppm	<b>337</b>	376	355	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	2	<1	---

**Depot:** PLECLA  
**Unique No:** 10657632  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2023



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## VOLVO GRAPHS

