



# CONSTRUCTION EQUIPMENT

## 9569 VOLVO A30G 742602 - HYDRAULIC SYSTEM



**Sample No:** VCP413779  
**Oil Type:** CHEVRON HYDRAULIC OIL AW ISO 46  
**Job No:** 9569



### SAMPLE INFORMATION

Sample Number	<b>VCP413779</b>	VCP344948	---	---
Sample Date	<b>11 Sep 2023</b>	18 Jan 2022	---	---
Machine Hours	<b>3908</b>	1901	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Changd	---	---
Sample Status	<b>ATTENTION</b>	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.6</b>	45.2	---	---
Acid Number (AN)	mg KOH/g	<b>0.34</b>	0.34	---	---

### CONTAMINATION

Particles >4µm		<b>21085</b>	5127	---	---
Particles >6µm		<b>5041</b>	803	---	---
Particles >14µm		<b>240</b>	62	---	---
ISO 4406:1999 (c)		<b>22/20/15</b>	20/17/13	---	---
Silicon	ppm	<b>6</b>	3	---	---
Sodium	ppm	<b>4</b>	<1	---	---
Potassium	ppm	<b>0</b>	0	---	---

### 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>9</b>	6	---	---
Copper	ppm	<b>5</b>	4	---	---
Lead	ppm	<b>2</b>	2	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>0</b>	2	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---

### ADDITIVES

Calcium	ppm	<b>106</b>	101	---	---
Magnesium	ppm	<b>8</b>	6	---	---
Zinc	ppm	<b>446</b>	439	---	---
Phosphorus	ppm	<b>347</b>	341	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>0</b>	2	---	---

**Depot:** PLECLA  
**Unique No:** 10657631  
**Signed:** Wes Davis  
**Report Date:** 21 Sep 2023

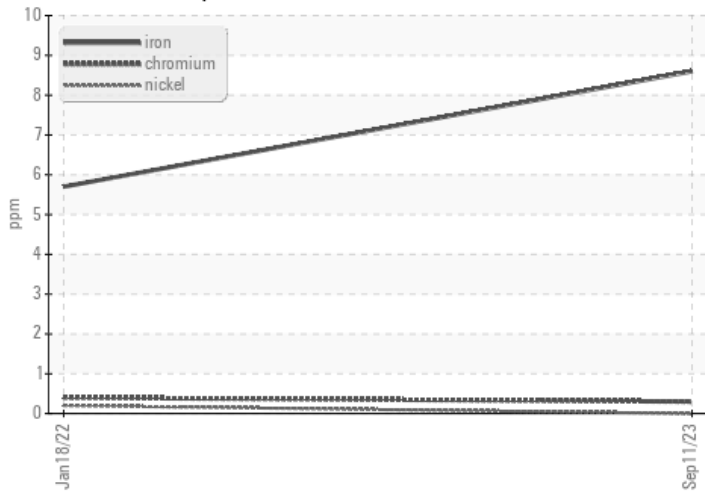


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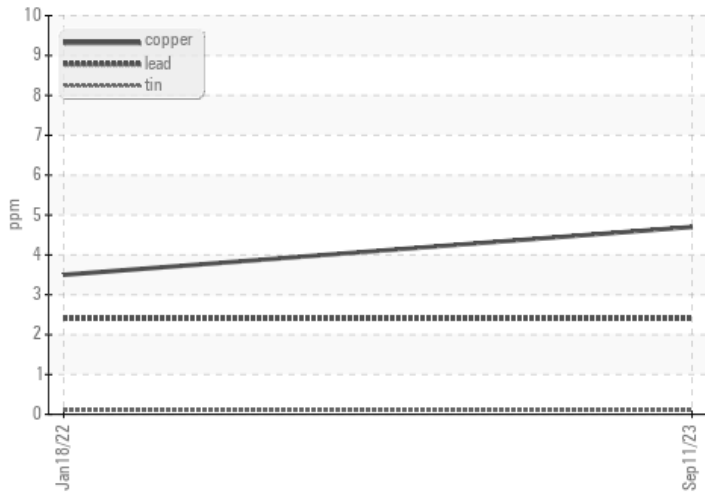


## GRAPHS

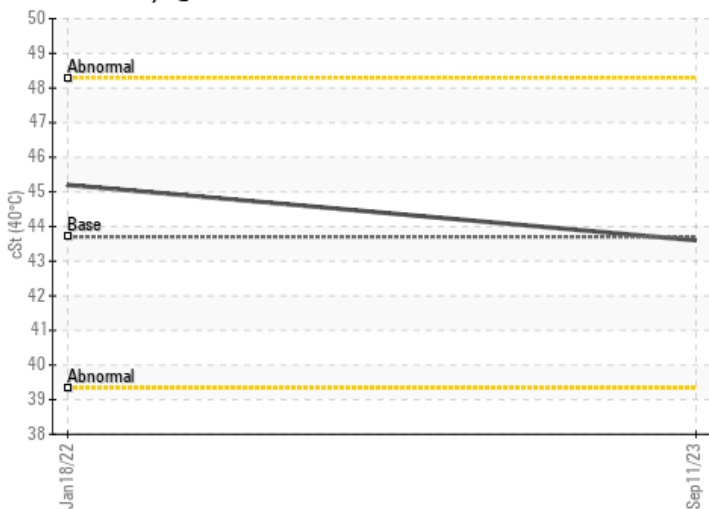
### Ferrous Alloys



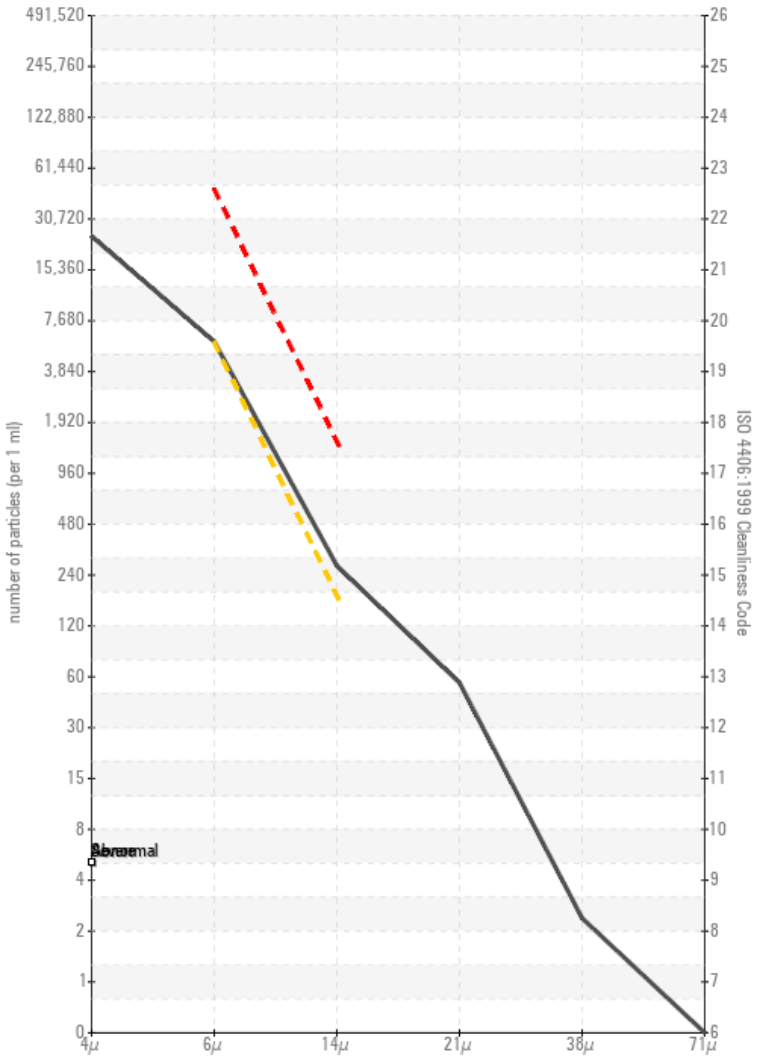
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

