



# CONSTRUCTION EQUIPMENT

## A10890 VOLVO A35G 352057 - HYDRAULIC SYSTEM



**Sample No:** VCP416352  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A10890



### SAMPLE INFORMATION

Sample Number	<b>VCP416352</b>	VCP386469	VCB0000093	---
Sample Date	<b>14 Aug 2023</b>	06 Oct 2022	04 Mar 2022	---
Machine Hours	<b>2020</b>	1195	470	---
Oil Hours	<b>2020</b>	1195	470	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.6</b>	42.8	43.3	---
Acid Number (AN)	mg KOH/g	<b>0.37</b>	0.42	0.54	---

### CONTAMINATION

Particles >4µm		<b>555</b>	11940	5971	---
Particles >6µm		<b>125</b>	2551	1767	---
Particles >14µm		<b>13</b>	148	▲ 162	---
ISO 4406:1999 (c)		<b>16/14/11</b>	21/19/14	20/18/15	---
Silicon	ppm	<b>4</b>	4	4	---
Sodium	ppm	<b>&lt;1</b>	2	0	---
Potassium	ppm	<b>0</b>	0	<1	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

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

### ADDITIVES

Calcium	ppm	<b>68</b>	28	51	---
Magnesium	ppm	<b>&lt;1</b>	3	0	---
Zinc	ppm	<b>427</b>	448	474	---
Phosphorus	ppm	<b>338</b>	338	348	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	<1	---

**Depot:** JAAPHI  
**Unique No:** 10617994  
**Signed:** Angela Borella  
**Report Date:** 25 Aug 2023

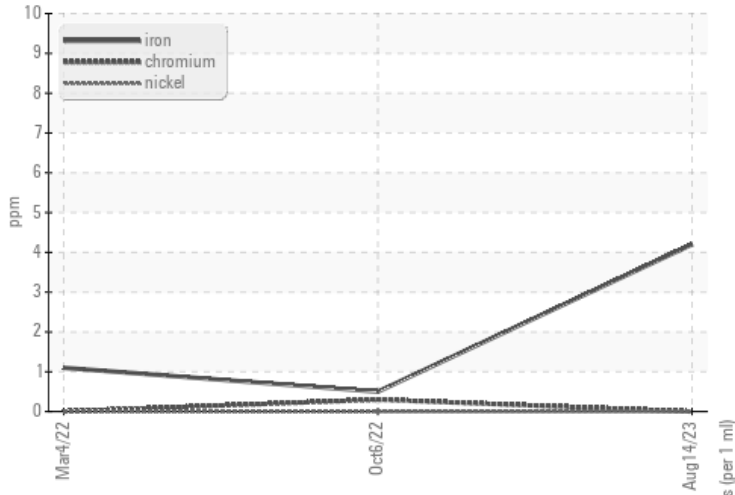


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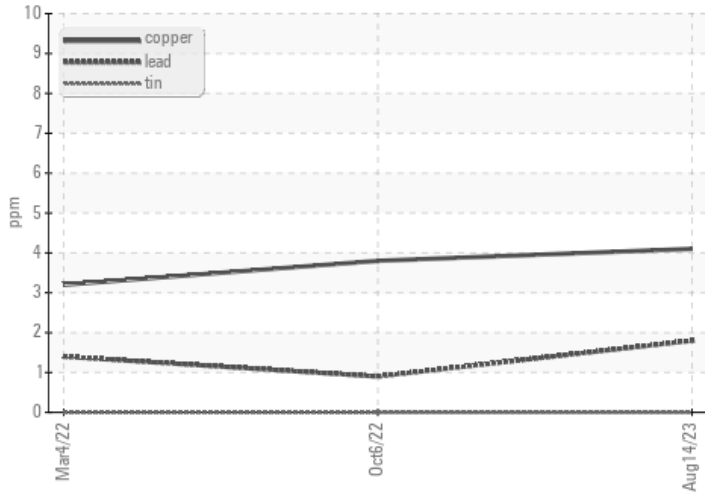


## GRAPHS

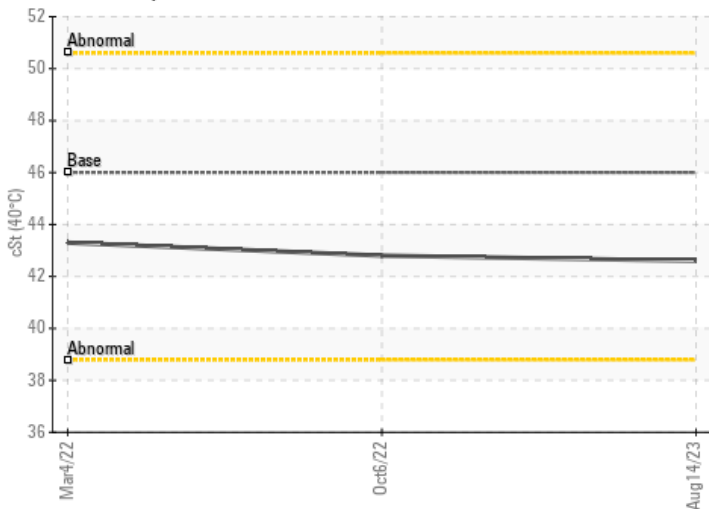
### Ferrous Alloys



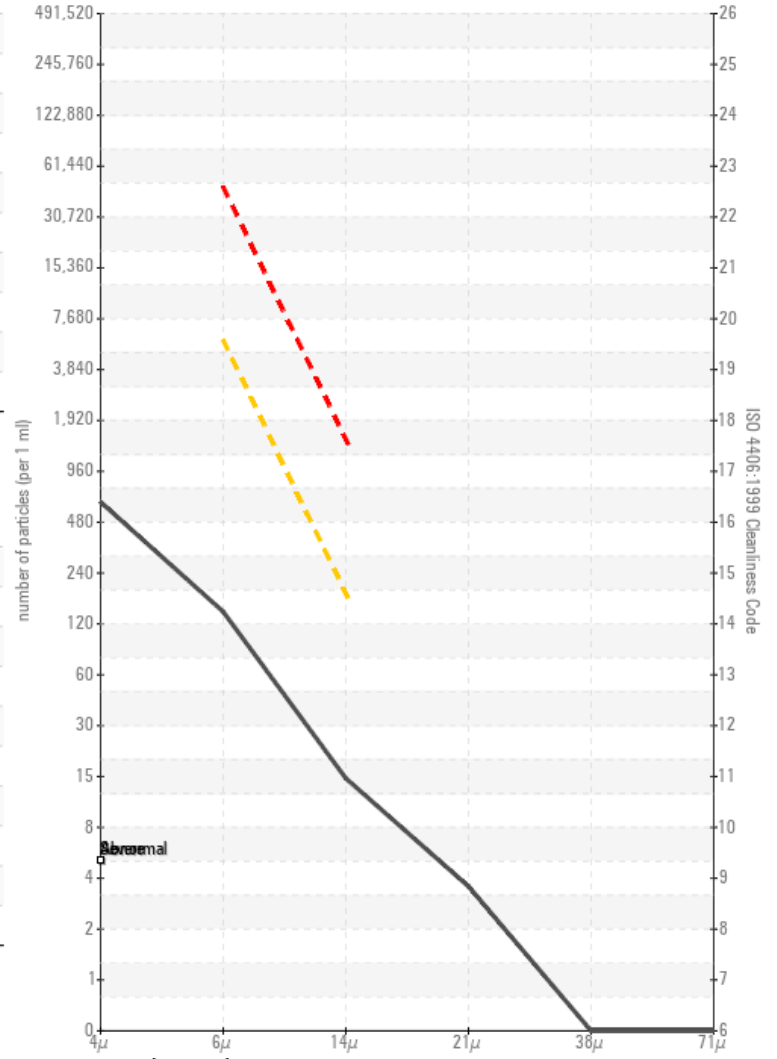
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

