



# CONSTRUCTION EQUIPMENT

## X43929 JUDY CONST VOLVO A40G 341654 - HYDRAULIC SYSTEM



**Sample No:** VCP419367  
**Oil Type:** NOT GIVEN  
**Job No:** X43929 JUDY CONST



### SAMPLE INFORMATION

Sample Number	VCP419367	VCP244012	---	---
Sample Date	24 May 2023	20 Jul 2019	---	---
Machine Hours	6768	4111	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

**SCOTT EQUIPMENT COMPANY LLC - Lavergne**  
 1231 BRIDGESTONE PARKWAY  
 LAVERGNE, TN  
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 T:  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 39.4	39.2	---	---
Acid Number (AN)	mg KOH/g	█ 0.42	█ 0.361	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	28196	---	---
Particles >6µm		---	▲ 7330	---	---
Particles >14µm		---	▲ 539	---	---
ISO 4406:1999 (c)		---	22/20/16	---	---
Silicon	ppm	█ 11	█ 12	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 1	█ <1	---	---

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris 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	█ 18	█ 13	---	---
Copper	ppm	█ 13	█ 11	---	---
Lead	ppm	█ 4	█ 3	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 6	█ 4	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	81	65	---	---
Magnesium	ppm	15	3	---	---
Zinc	ppm	468	450	---	---
Phosphorus	ppm	359	348	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	<1	---	---

**Depot:** VOLV00129  
**Unique No:** 10493651  
**Signed:** Don Baldrige  
**Report Date:** 31 May 2023

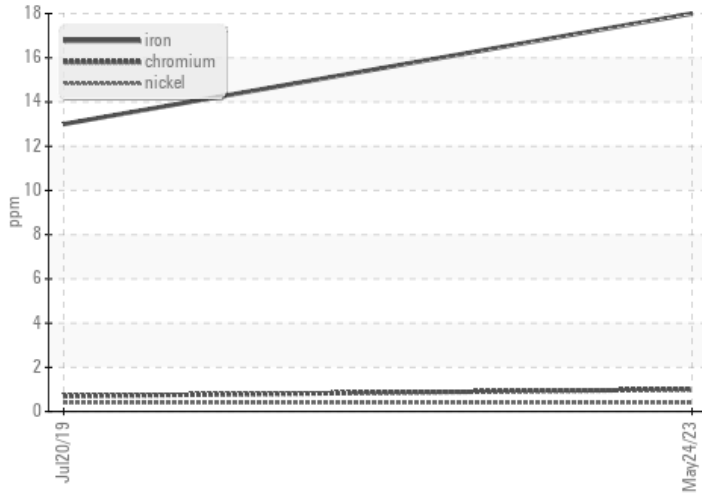


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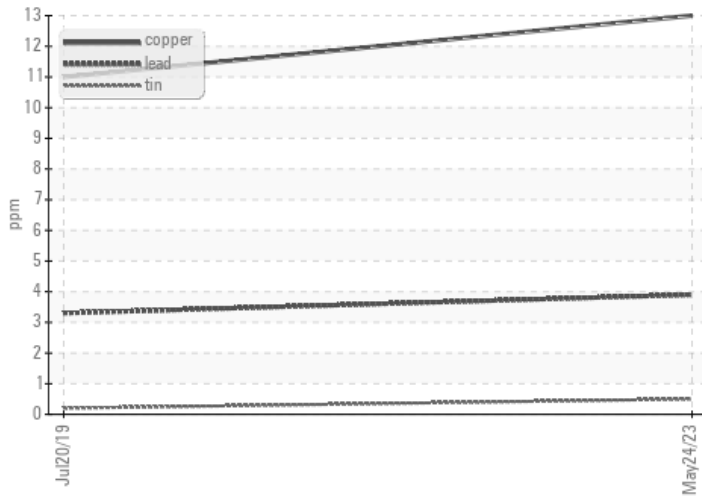


## GRAPHS

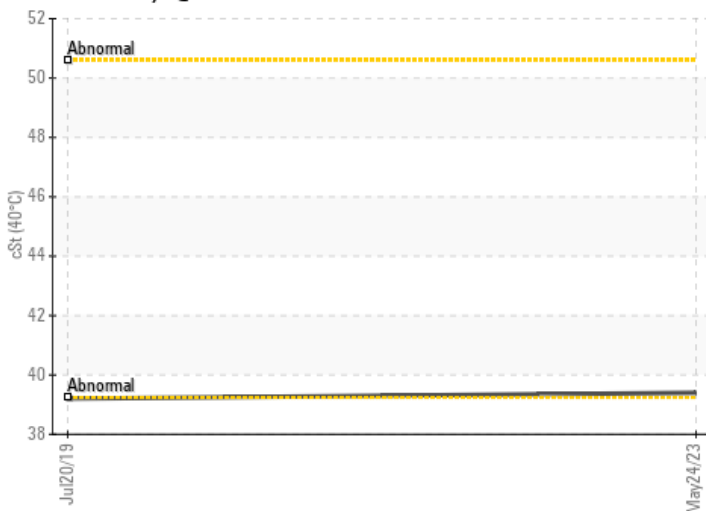
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

