



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 15-1091 - HYDRAULIC SYSTEM



**Sample No:** VCP432473  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP432473	---	---	---
Sample Date	18 Oct 2023	---	---	---
Machine Hours	3941	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	47.8	---	---	---
Acid Number (AN)	mg KOH/g	0.37	---	---	---



### CONTAMINATION

Particles >4µm		5540	---	---	---
Particles >6µm		1739	---	---	---
Particles >14µm		181	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	<1	---	---	---

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.



### WEAR METALS

Iron	ppm	8	---	---	---
Copper	ppm	6	---	---	---
Lead	ppm	4	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	86	---	---	---
Magnesium	ppm	7	---	---	---
Zinc	ppm	421	---	---	---
Phosphorus	ppm	317	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** RIPTAM  
**Unique No:** 10723875  
**Signed:** Don Baldrige  
**Report Date:** 02 Nov 2023

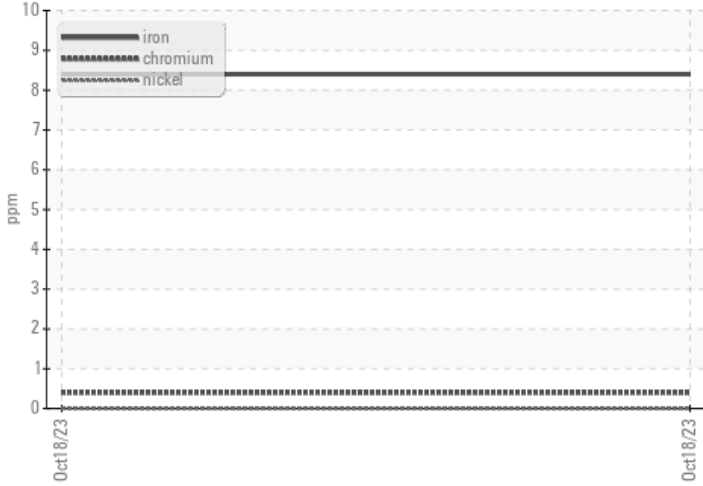


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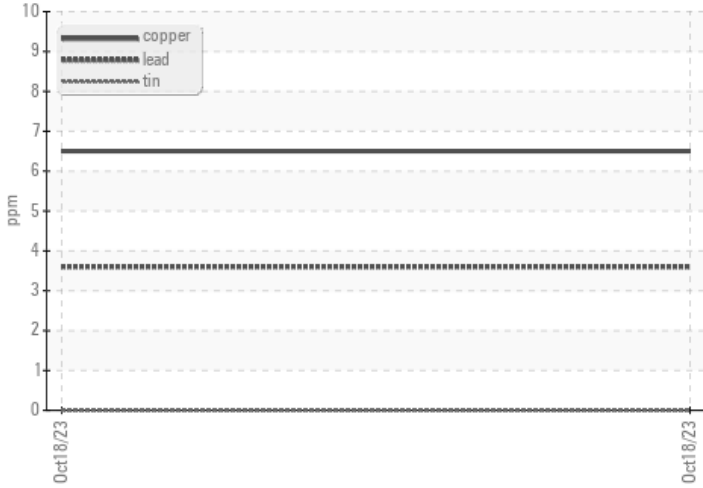


## GRAPHS

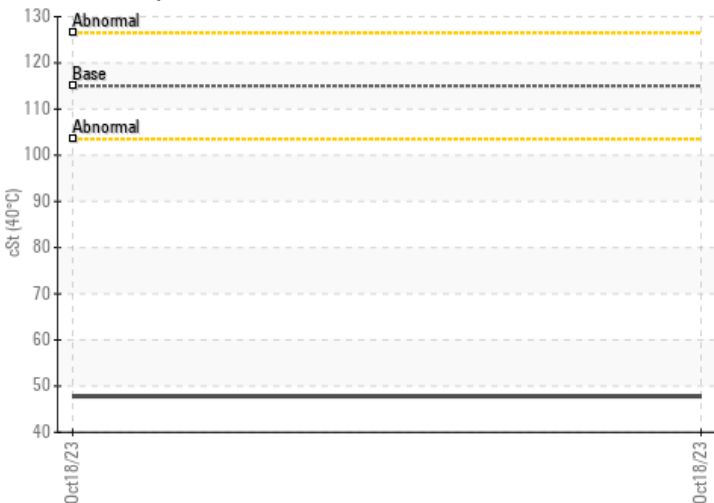
### Ferrous Alloys



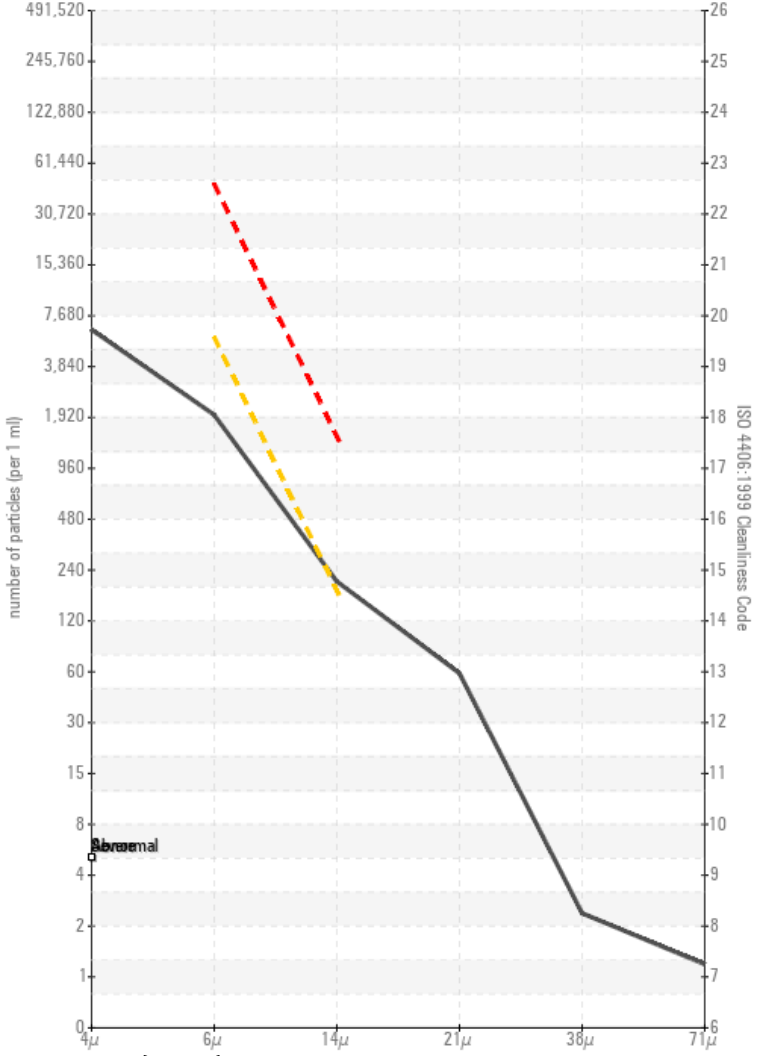
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

